SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) FOR ALSUGI JAPANIUI HAVAL OCEANOGRAPHY COMMAND DETACHMENT ASSEVILLE NC. MAR. 85 14 AB A151 677 F/G 4/2 Νŧ PURCLASS J<u>ET</u>ED



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#### SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

This summary is based primarily on data derived from telecommunications sources. Most tables in this update are based on the period of record (POR) 1973 through 1982. However, a few tables are based on earlier POR's, because Summary of the Day data is not available from telecommunications sources. All available data through 1982 was used for extreme values. In producing these tables, it was assumed that all cloud cover was opaque.

This summary should be retained by individual stations along with previous SMOS. The retention of these summaries will provide the most comprehensive climatological file for your station.

Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals.

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of "O". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography Command Detachment (NOCD), Asheville, N.C. welcomes your comment and criticisms.

433	319	Atsugi, Japon		1 1	27'N	139°27'E	203	RJTA	476	
		STATION LOCAT	ION A	ND IN	ISTRU	MENTA	TION HI	STOR	Y	
******		SIGGRAPHICAL LICATION & MAINS	TYPE	AT THE LO	EATI <b>ON</b>	LATITUDE	LONGITUDE	(LEVATI <b>CA</b>	ADDVI IIIL	PI
LOCATION			STATION .	7 NO W	70			7467	TYPE BARBUSTER	
1.	Weather :	Service Office Ops Bldg	Navy		1958	35*27'א	139°27'E	203	Mercurial	2
2.	Weather :	Service Office Ops Bldg	"	1958	1971	**	. 11	214	"	2
la.	Weather :	Service Office Ops Bldg	"	1959	1971	**	n	217	Ameroid	2
2 <b>a</b> .	Weather	Service Office Ops Bldg	"	1971	1978	**	**	217		•
3a.	Weather S	ervice Office Ops Bldg	"	1979		**	99	210		
avest.	BAYI	- LOGIACE MI								
go LOCATION	SATURE CATALON	LOCATION		TVPL 07	TYPE OF	IT ABOVE	REMARKS, APRI	THERAL FOURTHE	7, <b>00 MEASON FOO</b> CHAI	-01
1.	8/51 8/58	Installed on roof of Ops 890' west of center of ru mid field		UMQ-5C	RD-108	249 <sup>1</sup> 219 <sup>1</sup>	1. Transmi	Legometes	: (AN/CHQ-16	0)
		observation program disconment was turned over to J								

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### PART A

### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

- .. By much and annual, all nours and years commined.
- .. It is the act annual, all hours and years complete, by wind direction.
- .. . . moth, are prairied melod, by standard j-hour groups.

Descriptions of the markous phenomena included in each category on the forms are listed terow:

francerstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Fain an principle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain any or freezing urizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheater surface.

Snow ani/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

F E - Included are fog, ice fog, and ground fog.

in ke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Pl wing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Just and or sand - Included are blowing dust, blowing sand, and dust.

<u>Lowing sprace</u> - This .tem if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

is recentage of disservations with obstructions to vision - Included in this category are the observations with one or more of the give distructions to vision occurred. Since more than one type of obstruction may be reported in the same diservation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visitility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of distructions to vision need not reflect the total diservations with reduced visitility.

INTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

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#### PART A

### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Prequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

# WEATHER CONDITIONS ATMOSPHERIC PHENOMENA

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PROCESTAGE OF DAYS WITH VIPTOUS ATMOSPHERIC PHENOMENA FROM DAILY DRISHVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
J 8 Y	TAILY	• 9	74.4	. 9	9.9		29.4	24.7	76.9		•2	81.4	558
£ -:			31.7	. 4	15.4	. 4	78.2	77.4	81.5	. 4	1.4	*6.8	579
भ ५०			49.4	4	9.3	• 2	51.3	48.3	79.5	• 2	• 5	E5 • 3	557
¥ o ::		. 9	° 5 • 1		. 7		<5 • 1	50 <b>•</b> 5	79.4	• 2	. 7	88.5	5 3 9
4.4		۰.3	49.6		• ?	. 4	49.0	74.2	81.5		. 1	97.5	5 5 8
با ن		2.6	64.1			• 2	£4.1	83.5	34.8			76.3	540
J 1.		4 • 2	61.5	· •			61.3	83.7	87.5			24.5	527
A .		7.1	52 • F				52.5	77.2	84.3			91.8	527
<del>.</del>		2.7	61.8	i I			61.9	75.3	82.9			92.9	510
c 7	1	1.1	52.				52.5	67.0	78.4		• 2	90.7	527
NOV	1	1.0	41.6		. 6		41.8	51.4	85.7			91.8	510
5 · c	Ī	• 6	27.3		1.7		27.9	35.7	89.2			91.7	527
TOTALS		2.2	47.7	• 1	3.1	. 1	48.9	59.9	82.7	• 1	• 3	90.4	6388

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DEFICINTAGE FREQUENCY OF OCCUPRENCE OF MEATHER CONDITIONS FROM HOUSELY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & 'OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
	:		5.42		1.7		7.3	۲.2	3.4			≎.6	175
	57	•	5 • 1		1.7		6.7	7.4	2.9			6.1	179
	7.4	<b></b>	5.8		1.7		7.5	2.7	1.7			4.4	245
	7.1		5.	*	2.1		7.5	3.1	9.9	•		12.1	287
	1.	•	5.1	* =	1.4		5.4	.7	4.7				296
	1.	•	5.4	+	1.7		6 - 8	• 3	3.4	·		3.7	296
	1 ′	•	5.7		. 7	-	5.7	1.3	5 • 1	• • •	•	6:4	297
		• 3	5.?	<del>* -</del> •	1.4		5.6	2.4	4.	•	• 3	7.0	286
•	•	<b>4</b> 100 1	•	+			+		• • • = · ·				
	•	<b>+</b>		•									
	1	•	• - =·	<u>.</u>		=	1		!	<del></del>	<del></del>	+ +	·
-	<del> </del>	†											<del></del>
TOTALS		•9	5.7		1.6		6.9	2.5	4.3		• •	6.8	2116

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PENCINTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING		SOF OBS	TOTAL NO OF OBS
11:			7.4	. !	1.2		8.6	٤.2	6.8			13.0	162
•	. j.	•	n • 3			• 6	6.9	6.9	3 - 1			10.0	160
	ń		3.ಕ	•	1.5		10.3	2.6	2.9			5.5	27?
	h.	**	9.4	+	3.0	. 4	11.7	2.3	17.3	<b>+</b>		19.5	256
•	1	•	7.8	•	4.1		13.4	1.9	8.2		! · !	10.1	76°
	1	*	د. و	<del>,</del>	1.5		9.7	2.2	7.8			18.1	26 -
	1	•	7.1	• • •	2.2		9.8	4.4	12.7	•	.4	17.5	275
	. 1	. 4	10.6	<u>.</u>	1.0		11.7	5.3	4.5			9.4	265
	<b>.</b>	<del> </del>	·										•——•
TOTALS		•1	4.5		2.7	•1	9.9	W.G	7.9		•1	11.7	1936

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FENCINTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOUREY OBSIRVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
* 5 *	10		17.7		. 6.		18.3	5 • 1	4."			9.1	170
•	• •	•	17.		1.7	• 6	18.7	9.1	2•		•6	12.5	176
	, (		15.5	+	1.7		17.3	15	5 . 6			16.3	301
	3.9		14.2		1.4		14.5	3.4	16.0			20.0	255
	1		12.4	*	1.3		13.5	1.	10.1	*	. 7	11.8	296
	1	•	13.5		1.4		14.2	1.4	8.		• 3	5.7	287
		•	14.3		1.0		15.3	3	11.	•		14.0	300
•		• • -	17.3	•	•	. 3	17.3	2.3	4 . 3			7.3	301
•		•	•	•			1		•				
			•							· · · · · · · · · · · · · · · · · · ·	1		
•	•			• <del>- •</del>							]· :		==
•		;								!			
TOTALS		†~	1º.3	• -	1.1	. 1	16.2	4.6	7.8		• 2	12.5	213

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PRECENTAGE PREOUTNEY OF OCCURRENCE OF WEATHER CONSTITIONS FROM HOURLY OBJE-VATIONS

нтном	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
46-			15.3				15.3	8.6	1.7			9.7	175
•	•	•	15.4				15.4	4.6	• 6			5.1	175
	r		19.4	• •			10.4	14.1	3 . '		<b>.</b>	17.6	284
•	·	- '	12.9	· · · · · · · · · · · · · · · · · · ·	·-·· •		18.9	7.6	11.7	•	•-	14.3	297
	. 1	•	17.7	•	•		17.7	1.8	9.2	-	•	11.	2 : 2
	1.	1.1	21.2		•	•	1.2	1.5	4.6	•	•	5.4	29.*
	1		19.3		•	1	1 ~ • 3	4.9	2•1	•	•	7.0	2 -
	2.1	•	17.0	***************************************		. 4	15.2	• C	1.1	•		7.0	7 4 5
	•	•							+	•		:	
	•	<b>.</b>		•	:								
	<u>*</u>			·								1	
		:								i I			
TOTALS	į	. 2	10.1			. 1	18.2	5.6	4.2			9.8	2050

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PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HTMOM	HOURS (LST)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND-OR SLEET	HAIL	OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	SLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
¥	, -		11.	•	•		11.5	16.5	2.2			18.7	182
	c.	. 5	14.2				14.2	1: •6	1.0	·	1	20.2	137
	Ü.)	• 3	13.5	*			13.5	24.7	3.7		:	29.€	297
	· · · · · · · · · · · · · · · · · · ·		13.5	•			13.5	4.5	16.3	• • • • • • • • • • • • • • • • • • • •	+	21.2	298
	1	+	13.8	<del></del>	·· <del></del>		13.5	1.7	9.7	•		11.4	285
	1	•	13.2	<del></del>			13.2	2 • 8	7.3	•		10.1	267
•	1	. 3	14.1	• - •	•		14.1	5.0	5.7	•	<b>,</b>	12.8	298
		• • •	14.5	****** ·	· · · · · •		14 • É	8.0	1.7	•	:	7.6	701
	•	•	•	+						+	:		
	•	<b>+</b>	•	†• 						• · · · · · · · · · · · · · · ·			
		•							† · i	•		<del>†</del>	
		<u> </u>											
TOTALS		.1	13.6				13.6	10.4	6.2			16.6	212"

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PERSONNABE PREQUENCY OF D'CUPPRICE DE WEATHER CONCITIONS PROM HOURLY OPSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
.1 .	0.1		] = .A				16.6	23.2	1.7			24.5	181
•	. c .	•	19.1		•		1001	20.5	• 5			7n.1	183
	Ţ ·		24.	• •	•		24.4	79.3	1.7			31.1	27~
•	:		22.3	••		. 4	22.3	£ • 9	14.5	•		23.4	267
•	1.		19.1		•		19.1	4.2	14.5	•		18.7	261
	1 .	• 3	19.4		•		10.4	4.7	9.0	•		13.9	288
•	1	7	19.2		• •		19.2	8.7	. 5 • Z	•		13.5	287
•	.1	1.0	17.1	·············	• • • •		17.1	11.6	1.4	+		13.0	5.55
•		•		••		<u></u>	!		•	•			
		<del>•</del> •	-	1					·				
				<del> </del>							·		
TOTALS		. 3	20.0			• 1	20.0	15.0	6.1			21.1	2753

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## WEATHER CONDITIONS

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PENCENTARE EPEQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
Jul	c٦	•6	16.9				19.9	75.4	• 6			26.0	161
	0 *	1.1	15.5				15.5	33.9				33.9	177
	٦٠		13.9				13.8	33.9	<del>•</del>			33.9	29€
	93	• 3	15.3			• 3	15.6	12.8	9.0			21.9	258
	1	<del></del>	13.→	*********			13.9	3.1	17.0	<del></del>		28.1	204
	1 -	1.0	14.3	• · · · · · · · · · · · · •		• 3	14.7	3.4	10.6			14	293
•	1	2.0	13.5	• •	•	. 3	14.1	10.7	5.0	• · · · · - ·	• 3	16.1	292
	21	1.7	18.5	•·• :			19.5	15.2	• 3	•		15.5	297
•		• • • • • • • • • • • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · ·				<del>  </del>	
 !		† •											
· ,	· -	† · · · · · · · · · · · · · · · · · · ·		·				~ 1	<del>, -</del>			<b>+</b>	
						·- <del></del>				1			
TOTALS		.8	15.7			•1	15.9	17.3	5.3		9.0	22.7	2126

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PETCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUSELY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND: OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
4.	3.2		11.7				11.7	32.8	.6		:	33.3	187
	n -	1.7	17.3				17.7	73.5	1.7			35.2	179
	3.	. 3	12.5	• •	•	•	12.5	32	. 7			30.6	295
	• • •	•	1:.2	••			12.2	1 5	11.2	•	• 3	22.5	285
	. 17	. 7	11.9				11.9		15.9	• •		19.2	302
	1		15.2	•			15.2		11.4			13.8	297
	1.		13.5		•		13.5	7.7	7.4	•	<u> </u>	15.2	297
		1•"	15.0	• · · · · · · · · · · · · · · · · · · ·			15.2	17.0	1.7	•	• 3	15.0	350
	•	•· -•	•	•					•	<b>+</b>	 		
		•											
									i				
TOTALS	i	.7	13.7				13.7	16.7	6.3		•1	23.1	2136

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MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	PREEZING RAIN & OR DRIZZLE	SNOW BO QUA 13312	HAIL	N OF OBS WITH PRECIP	Ю	SC OMA SC OMA STAR	BLOWING SMCIIII	DUST AMD DR VANC	% . F .385 WITH DBST *O VISION	POTAL NO OF NBS
	en.	• 5	18.5	•			14.5	٠.،	2.:			. 22.	17*
•	, <sub>1</sub> -	1.1	15.2	• • •					• •		•	. ,,,	176
	- 4	. 3	71.2	•	•	•	1.2	71.2	• •		•	21.4	288
			 20•°	•		•	20.5	+.7	٧.		•	1 . ,	7.4
•	1	. 3	1?•₽			•	19.0	3.1	13.			13.1	<b>?</b> ·
	1	•	16.2	• ,		•	16.2	3.5	7 . e			11.4	5.5.
•	1	•	19.1			•	10.1	10.2	t . t		•	17.1	293
•		.7	17.4	•- •	. ,	•	-	12.5			•	15.0	267
٦		•		+ · · · · · · · · · · ·		•	• •	•	•				
•				• •				,		•		·	<del></del>
		•		†** · ** ** †	- ,			,	•	•		†	7
1													
TOTALS		.4	19.3				13.8	12.9	4.9			17.8	2-00

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PETCHNIAGE FREDUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER: STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	S OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
. , •			14.0				14.	19.2	2.8			2.3	214
,	יט י	. ?	15.2		· · · · · ·		15.2	1 - 9	. :	•		20.4	211
	٦.		17.8	•	-•		17.8	17.8	1.7		• • • · · · · · · · · · · · · · · · · ·	17.5	298
•	•	·	13.4				13.2	٠.3	12.1			21.5	289
•	. 1		16.3		•		16.3	2.7	11.6	. ,	•	14.3	301
	1:		13.3		•		13.3	3.4	9.5	•		11.6	294
•	15	• 7	15.5		•		12.5	7 . 3	10.6	•		17.8	303
•	21		13.2		•		13.2	12.3	3.6	•		15.9	307
	· — ·· ·												
					•	,'							
		i .		i i									
TOTALS		•2	14.0				14.7	11.5	6.4			17.9	2212

ATSIST. JAPAN

NO7 -

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LS.T.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	PREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HAIL	S OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
<b>k</b> ,	-		12.				12.9	16.7	6.2			23.0	205
•	J.		14+1				14.1	14	2.9			21.4	205
	7.		12.3				12.3	15.4	3.4			19.2	29?
	*,**		15.8	4		. 4	15.5	7.0	17.2			24.2	285
· · · •	1	* ~	10.5	• ·· •			10.3	3.0	15.2			16.2	296
	1.	•	9.4	<b>*</b>	<b>-</b>		c.4	2 • 9	15.6			18.4	288
•	1	•	11.,	•	- •		11.9	5.1	10.0		·	24.1	295
•	. 1	3	13.6	• • •			13.4	7.1	10.0		•7	18.3	295
	i	•	• -	• • • • • •								<u> </u>	
•		•		· 				<del>-</del>	r I		<del>-</del>	•	
•	•	*								,			
TOTALS	1	•0	12.6			•1	12.6	9.5	11.3		.1	20.9	2166

ETTERSION BIRDS

13-67

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STATION NAME

TRADS

#0#1#

PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY DESERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	MAIL	OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	S OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
-, -	:		5.2		• *		5.0	11.3	8."			19.2	217
•	ι,		4 . 3				4 . 3	10.5	5.7			16.2	210
	٠,		4 • 3	• • • • •			4.3	5 . 4	5.7			12.3	200
•		-	4.1	•			4 • 1	4.1	23.4	•	•	27.5	29:
•	1	•	5 . L	· •	د •		5.7		10.7	. ,	•	19.7	200
	1 -		5.4	•	.,		5.7	1.7	15.8			17.4	295
•	1	•	5.;	• •	• 7		5.9	2.0	23.7	•	•	25.7	324
•	. 1	•	7.5	•	• 3		7.3	4.5	16.8	•		21.3	296
•			•	•						•			
•			• <del></del>				1			•			
•	•	•=											
					1								
TOTALS		1	r • 2		. :		5.3	5.1	14.9			19.9	2234

ATT JEPAN

73-32

ALL

PESCENTAGE PREDURNEY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS S.T.	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SHOW AND OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% CF OBS WITH OBST TO VISION	TOTAL NO OF OBS
Jak	ALL		5.7		1 • °		6.0	2.5	4.3		• 6	6.0	2116
٠٠٠	•	.1	1.5	• • • • • • • • • • • • • • • • • • • •		• 1	7.9	4 . 1;	7.3		• 1	11.9	1936
			15.3	•12	1.1	• 1	16.2	4.0	7.8		• 2	12.6	2133
167		•2	16.1			• 1	18.2	5 . 6	4.2			9.8	2150
-14	-	.1	13.4	• . •			13.5	11.4	6.2	• • • • • • •		15.6	2125
		. ?	00.0	•		• 1	25.0	15.0	6.1			71.1	2751
J !			15.7	•	•	• 1	15.8	17.3	5.3	• . =	• )	22.7	2126
	•	. ?	17.7	•	•		13.7	16.7	6.3	•	• 1	23.1	2136
رم ت	•		10.P	• •			19.8	12.7	4.9			17.8	<b>2</b> 39n
~ C T		• 2	14.0				14.9	11.5	6.4			17.9	2212
NET	•	•0	12.6		· - ··•	•1	12.6	9.5	11.3	† ··· · · <del></del> -	•1	2.,9	2166
ne <b>r</b>		• · · · · · · · · · · · · · · · · · · ·	5.2		• 3		5.3	5.1	14.9			19.9	2204
TOTALS		• 2	13.5	.0	. 4	.0	13.8	9.6	7.1		• 0	16.8	25347

MANUARY 1973-DECEMBER 1982

AND THE	) 	TA N TEL	FREEZ NO	SCEPT CNC NW SHE WERS CHRAINS FECTORS SHOWERS	HAIL SMAIL HAIL	THUNDER	FOG	ICE FOR GENUND FIG	SM INF	BLOWING SNOW	BLOWING SAND AND DUST	NG: WEATHER
٠	· .	,	. 9	2.6	† †	. 21	2.4	ţ	5.3			F3.5
NNE	' · · · · ·	1 .31	• 3¹	1 1.4	† · · · · †	<u> </u>	1.7	† .	2.6			89.9
4€		1.7	. 8 '	1 3.4	1	1.7	• 8	<b>†</b>	7.5			83.1
F N E	•		•	, I	† †	1	1.5		4.5		<u> </u>	89.4
· · ·	•	•	!	•	1 1			1	4.4			75.6
FSE	•	7 . 2	•	• • • •	1	1			6.5		<b>†</b> '	90.3
SE	4	•	•	•	•	· •		<b>†</b>	6.9			87.7
55 <b>6</b>	•	•	•	· •	i i	ţ		1	13.3			89.7
	•	1 1	1	•	† †	į	2.7	f · - · · · ·	1.8			73.8
15*	•	* ****	•	1.7	1	1		1	3.3			90.0
5.0	`	1.5	•	•	1	1		1	3.0			93.9
*5*		• ;	•	•	, 1	1	7.3	1	7.3		·	95.5
	• •	•	•	•		1	3.I	1	1		i ¬	28.2
***	•	•	•	•	1 1	1		<b>†</b>	<b>!</b> 1			100.0
* P##	. 4	1.7		•	i i	1	7.4	<u> </u>	3.4		t	AB . I
44.4	' '3.'	" •6°		2.4		-	1.2	1	6.5			79.8
AR AR. F	•	• •		•	1	1			1			
	·- ·	- 1	; - <del>-</del> - :	፲ - ፲ -<፪		><			>50	$\sim$	$\geq \leq$	740
	6	15	8	23		1	45		90			1792
	4 4 E	7	. 4	1.6	·	• 0	2.2	<del> </del>	4.3		<del> </del> -	86.5

2,072

JANUARY 1973-DECEMBER 1982 FERRUARY

was profession	FA N	BAHI SH EBS	OPIZZ: E	FREEZING PA'N FREEZING ORIZZE	SLEET SHOWERS OFF CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SAIALL HAIL	THUNDER	100	ICE FOG GROUND FIIG	SANDRE HAZE	ROWING	BLOW NG SAND AND DUST	NC: WEATHER
	1 - • 1	. 5	Ĩ•Ī		<u> </u>	4.1		† †	4.1	1	€ • 3		† †	72.2
7. F.	• .	• 3	1.0		†	2.9		i 1	5.4	1	5.1		.3	78.0
i se	• 2				•			1	2.1	1	12.8		1 1	81.9
ENE ]	5.			]	Ť .				1.9		20.8			71.7
	•	<u>'</u>		•	† i		'		2.3	1	11.6		1	79.1
ESE						4.3			4.3	1	21.7			69.5
ું ૬૬ ૄ	•		3.7	Ī	1		•		3.7	]	14.5		1 1	77.8
SSE				į				l. I			5.6			34.4
. 5	•	1.4		<u> </u>				I			8.5			80.4
55 <b>4</b>	1.3	3 • 1	1.3	I				1.3	1.3		5.3			96.3
2.4	1.	1.5		T .				I I			1.5			95.2
45#		!		ŗ L	!	3.8		I I	7.7	I	7.7		[	80.8
				[	Ì				12.5		4 . 2			93.3
#44			• 3	i	1 .	5.3		l. I			5.3		]	84.2
NW	• •		1.8			3 . 1				Ι	5.5			87.3
NNW	1 . 3				<u>.</u>	3.0			1.5	1	6.8			76.7
ZARIABLE								L		L				
F- ALW	_ > <b>k</b> < _	$\geq$	_><				_><		<b>&gt;100</b> 5	$\geq \leq$	7		$\geq <$	
					İ	_								
7 <u>274</u> .	1 4	12	14		ļ	43		1			150		1	1457
1574	• .	• 6	7		L	2 . 3		• 1	3.7		8.3	Ĺ	• !	77.7

TOTAL NUMBER OF OBSERVATIONS

NAVWEASERYCOM

1,674

A SUNTY UNTA JANUARY 1973-N CEMBER 1982

# 46 To 16	***	T T T T T T T T T T T T T T T T T T T	T # # # # # # # # # # # # # # # # # # #	4 200	SMA NS PELLETS SHOWERS	 	THUNDER	FOG	ICE FUG GROUND FIG	5M . kf HAZE	81 , 10 NG 5N - 10	BLUWING SANC AND DUST	N. MEATHER
••	· 2 .	1.2	1.1	• '	2.6		t ·	5.7	•	6.5		• : •	61.5
NNE	1 .2	1.0	1.0	•	. 7			3.1	• 3	5.4		- 3	75.9
	•	•	•		1.5		1	7.3		8.5		1	76.9
ENE	• 1	- 1	1.4				•	4.1		17.6		[	64.7
•	1.	4 • 1	1.4						:	21.6			71.3
1 S.E.	`• -	3.7	1.9				Ĭ .	3.7		5.6		i	F1.5
SE .	7.3							3 • 3		11.6		1	75.5
55E	• 2	2 • 2	•		2 • 2		į.	2.2		15.2			76.1
. 5	5.	5.9					÷	2.9		1.8		1	76.5
5.6	. •	3.3					ļ .	3.5		5.3			34.1
٠. ٠		4 • 5					ļ .	. 3.ú	· •	6.1		1.5	87.8
454	• •	2 • 6					<b>,</b>	4	;	12.8		1	32.1 #3.3
. * .		7.7	4				ŧ.	7.7	+	7.7		<u> </u>	- ४०.7
. *\*		3.1	•		•		+	5.4		′ • ′ -			78.1
***	· • • •	•	. 7!		2.2		<del> </del>	3.€		6.5		· - +	61.6
* * * * * * * * * * * * * * * * * * *	• •	† †	• · · · · ·				<del>†</del> .	•	·			- +	
A. W	3.7	←+	2.7	, <del>+</del> _ +	+		<u>∱</u> ~ , ~	- LL-P	1	-11-0	- <u>.</u> .	<b>-</b>	1
		-	=	+ +	- +		-		+ ->			-	
	26.	47	16	1	25			9.5	2	169		3	1487
10 to.	17.5	7.2	. 8	•D; †	1.7	-	†	4.3	•1	1.1		-1	73.9

2,098 TOTAL NUMBER OF OBSERVATIONS

JANUARY 1973-0: CEMBER 1982

APRIL

with the second	ka-k	PAIN SHOWERS	1:00221E	FREEZING BAIN FREEZING, DRIZZEE	SLEET SHOWERS OF ORISTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMAIL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMORE HAZE	BLC WING SNOW	BLOWING SAND AND DUST	NO WEATHER
	• *	2.5	3.1	1	†	;		•2	7.8	<u> </u>	3.1			55.3
NNE	• 0		. 9	Ĭ	• ·· -			[ ]	6.6		6.1			66.5
NE .	•	3.1	5.9	1	Ī.	[ ]		I - "	3.0	Ī	5.9			73.3
ENE	•			I	1	[			7.7	I	16.9			69.2
[ € ]	11.	1.3	1.3		1			I	1.3	1	8.8			76.3
ESE ,	• •	I I	3.0	I				L T	6.1	 L	3.5			84.8
S€	•	3.5	7.1	I	ì					I	10.7			71.4
55E	• 4	3.	1.5	<b>.</b>	İ.,			$1 \dots 1$	3.0		6.1			77.3
4 5	. • 3	5 • 2	. •2	İ.,				]]	3.2	<b>A</b>	2.7			81.6
55*	• .	5.1		1	1			1.2	2.0		2.0	l		52.4
_ S#	• '	2.5		: 4	<u>.</u> .			1.2	1.2	1	2.5			87.7
MSW		4.5				i i		l			12.0			68.0
*	2.2			[	i			1 . 1		1	11.1		Ì	66.7
WNW	2 . 2	5.6		1	1 .			L - 1					L	72.2
hiw.	14.							L 1	*2.2		3.7		L	59.3
NNW	.5•	2.4	1.2		ļ.,.			<b>↓ ↓</b>	3.5		3.5			56.5
- Lyaniable	«. – "		×:	د .	ļ			L	<b>*17.2</b>				حر	
F CALM		300	> <b>₹</b> 0	<u> </u>	<b>↓</b> .>< <u> </u>	$\geq \leq$	.≥≤.	$\geq \leq$	700	$\geq \leq$	>4	$\sim$		740
TOTA.	30.		30					5	109		87			1445
5 TOTAL	. 2	3.4	1.5	I				•2	5.4		9.3			71.03

TOTAL NUMBER OF OBSERVATIONS

2,035

JANUARY 1973-D-CEM-ER 1982 MAY

100 Med 100 Me		PA N	C #1221#	FRFFZING RAIN FRFFZING TIBIZZIE	SLEET SHOWERS CE CRYSTALL	SHOWERS	** <b>A</b>   1   1   1   1   1   1   1   1   1	THUNDER	rog	ICE FOG GROUND FIG	SMOIF	BIOWNS WAY	BLOW NO SAND AND DUST	NO WEATHER
` ~ '	7.	2.4	4.J		•			• ¥	14.1		5.3		- 1	58.4
NNE	1.1	1.	3.6		1	1			10.6		5.9		<u> </u>	63.3
N.E	• 3	• 1	2.4						11.0		4.9	· ·		68.3
ENE	15.	2.6						7.6	5.3		18.4			57.9
E	• •	3.1						! ]	1.6					95.9
FSE	•	4.7						]	2.3		11.6			74.4
SE	7.	2.0							2.6		13.2			71.1
SSE		5.6	1.4		,			1	6.9		1.4			77.6
e.	•	2 • 3	• 3	,					5.4		8.0			77.3
55*		<u> </u>	. 4	,					3.8		5.0		L	79.1
. S <b>∧</b>	17.	, Z•	2.0					L	∠•C					92.4
, <b>*</b> \$*	د ه.	6.3							16.7	<b>.</b>	8.3			54.2
^ ,	• 1	5.5						5.0	20.0		5.0		:	45.0
, ***	1 . 2	5.4	5.0 2.7					ļ ļ	15.7		5.0		ļ	67.0
\ <b>*</b>	1 3 4				•			l —l	13.5		5.4			56.F
N.W		,	1.1					ļ	13.3		2.3			67.1
ARABLE	- 457	-	- 20	مر 🛌	<b>.</b>	سحور بد	<u>سر</u>	<u> </u>	\JT.A	<		<del></del>		SAT
- ALM			_ ***	_ ~ .	<b>-</b> ~ ~	_ >< _	_>>	$\perp \sim 1$	अप्र€	$\sim$	$\geq \leq$	_ ><	$\geq \sim$	
707A.	22.	62	37		†			3	200		126			1458
73746	17.	3.0	1.8					T	۶.6		6.0			69.5

TOTAL NUMBER OF OBSERVATIONS 2.088

MAVWEAGERYCOM

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JANUARY 1973-DECEMEER 1982 JUNE

WINT CHRIST DN	PAIL.	PAIN SHOWERS	O10221E	PREEZING PREEZING DRIZZLE	SLEET SHOWERS CE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALE WAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMURE HAZE	BLOWING	BLOWING SAND AND DUST	NO WEATHER
` •		2.5	F • 2	1	•			1	12.6	<b>†</b>	3.3		† ·	41.6
NNE	•	3.6	6.7	1	İ	_			13.4	1	4.1	1	1	53.6
¹+E.	. u .	1.1	7.4					2.1	14.9	Ī	8.5		1	53.2
ENE	• :	3 • 6	3.6	Ī	Ī .			2.4	15.5	I	7.1		I	60.7
E	•	1.3	5.3	I	I				L.7		2.7		I	76.0
ESE	2 • •			7	1			$[ \ ]$	11.9	* 1	4 . 8	I	I	81.0
SE	11.4	.6		i	1				11.4	I	5.7			62.9
SSE	ن .	1.5		I	1	[ ]		[ 1.5]	10.6	I	12.1		I	68.2
5		5 • 1			I	I		I	9.5		9.8			69.2
55#	• ]	. 3			<u> </u>	[ ]			3.1		3.6			80.5
S#	. 7	4 • 2		I			_	1.4	ε.3	L	8.3			62.5
wsw	3	15.8		I	I .			5 • 3	15.8		15.8		I	52.6
*	( • 3		10.0	I	Ĭ				40.0		10.0			30.0
**	• 3	· • 3	8.3	I	I			[]	73.3		8.3	[		33.3
*4W	• 2	4.2	4.2		I			4 • 2	25.0	[				41.7
NNW	41.	3.0	4.5	I	<u>.</u>	L I		1.5	14.9	L			1	35.8
VARIABLE				L	L			L l						
CALM	<b></b>	$\geq <$	$\geq \leq$		$\geq \leq$	$\geq \leq 1$	<u>&gt;</u>	$\geq \leq$	<b>&gt;</b>	$\geq \leq$	>	$\geq \leq$	$\geq \leq$	<b>74</b> 0
TOTAL	791	76	63	1				9	276		124			1212
" TOTAL	4.	3.7	3.1		1			-4	13.6	t	6.1			39.6

TOTAL NUMBER OF OBSERVATIONS 2.033

NAVWEASERYCOM

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JANUARY 1973-D: CEMPER 1982

# NF	* 4 *.	**** ******	1-0-2214	FREEZING BAIN FREEZING DRIZZEE	. SEEET	SNOW GRAINS PRILETS SHOWERS	HAIL SMALL HAIL	THUNDER	rog	ICE FOG SRUUND FOG	SMORF HAZE	BLOWING	BLOWING SAND AND DUST	NC WEATHER
•	23.	5 . 3	9.5	<u>†</u>	•	1		1 1	22.8	†··	2.5		- 1	41.8
****	• 5	4 . 8	4.8	•	<u> </u>	1		.6	23.5	1	7.8			45.8
46	1.5.	.7	1.1	7	1		•	1.1	15.2	1 /	9.8			52.2
ENE	7	6.9	1.4	Ť	•	1		2.3	15.3	T	6.9			54.2
· •	. 3	. 7'	1.1	1		1		2.2	14.3	†	8.8		1	63.7
rse	• • •	6.5		!	•			1 1	7.7	•	16.1			64.5
SE .	ž. 1	8		ţ	•	į		1 1	76.5	1	5.9			55.9
SSE	1.	3.3	1.7		•			1 1	13.3	1	13.3		1	60.0
• •	- • 1	2.8	• 5		: i			-4	Ç . 9	1	6.7			76.3
454	• • -	2.9	• 3	•	†	1		•6	5.8	1	4.2		. 3	82.6
	1.	5.5		•		• •		† †	17.3	•	5.8			69.2
WSA	1 3	4.8		+	• •	•		1 -1	14.0	†	4.5			57.1
. , .	· 0 '	13.3		•	• •	•		13.3	33.3	†	1			33.3
***	. 2	9.1			, ,	1		9.1	36.4	†	1			36.4
· · · · ·	7.4.	•	5.9		•	i		5.9	17.6	<b>†</b>				47.1
1,114	71.	4.5	6.8	1	i i	•	-	4.5	29.5	1				31.8
ARABLE	•			†	: 1	*		1		<b>†</b>	1			
A.W	- J	1.4	<u>`</u> ~ংই	<del>+</del> ~ :	1 - 1	> ~ 1	$\sim$	_~্	74.5	><		$\sim$		747
TOTAL	707	A 8	48	1	1			17	333		115		1	1306
7.74	177.0	4.2	2.3	1		-		. 5	16.0		3.5		•0	62.9

2,076

CUTT, UA AT UANUARY 1973-DICEMBER 1982 AUCUST

A-10 1 (4) (4)	***	## ~ Snowers		FREEZINGS BAING FREEZINGS TORIZZEE	7 5,997 511 - 4098 1 1 8 8151 A.S	SNICW GRAINS PELLETS SHOWERS	НАЦ 52/АЦ НАЦ	THUNDER	106	CF FIG GROUND FIG	SMIDEF HAZE	arowing swow	BLOW NG. SAN. AND. CUST.	N T WEATHER
	1 .4	7.0	+ • 2	Ī				• 3	27.5		2.2			44.6
9.5E	1:•1	8.0	2.9		i			1.5	19.7		7.3		- '	50.4
· • •	•	7.9	1.0	? 1	1			1.0	72.8	Ī	11.9			53.5
F tot	' • 3	. 8		Ţ					8.2		16.4			62.3
· · · ·	3.4	: 6		!				1.7	10.3	T 1	10.3			67.2
ESE	•	υ • <b>5</b>		:							20.0			68.6
5E	• ~	. 3		Ī			-		16.7		16.7			54.2
· · · · · · · · ·				Ţ					5.6	I	4.2			72.2
i s I	2.	6.		Ţ				[ • 6 ]	7.6	I	7.4			76.0
SSW	2	5	. 3	I	[			•6	3.6	I	6.4			61.5
5.4	•	1.4		Ĭ	Ì			1.4	5.6	Ţ	4.2	i		84.5
WSW	4.	14.3		ŗ i	I				19.0		9.5			52.4
					I			9.1	27.3	Ι	9.1			54.5
***	. 7	6.7	6.7	I				i l	73.3	I	6.7			46.7
	- • 3	. 7	4.3	I					30.4	I	8.7			43.5
NNW	1 • 1	6.3	3.1	Ι.	Ĭ.			[ 1.6]	39.1	I	3.1			35.9
ARIABLE				L						L	L			
	`~•€		ુ>~હ			$\geq \leq 1$			2007	$\geq \leq$	>40		$\geq <$	246
!					İ									
107AL	12	147	26	<b>♦</b> . • · • • • • • • · ·	L			13	312		137			1339
4 TOTAL	• 2	7.1	1.2	l				•6	15.0	l	6.6	L	L	64.3

TOTAL NUMBER OF OBSERVATIONS

2,081

JANUARY 1973-D CEMBES 1982 STITEMBER

	, te .,	eare to other	1 1986621 04.7 1982218 2866219 198221	See WERF	# A C		tre-netien	F:NG	HAR FOR GROUND	SATURE HAZE	BLUWING SNUW	SAND SAND AND DUST	N.: WEATHER
	1.	4.	4.6	•	1	†	•5	15.4		4.4			50.6
NAME .	• 2	3.7	3.7	•	Ţ	Ī	1	15.1		6.8			59.4
	•	3.	1.0		Ī	Ī		17.1		7.1			75.7
ENE	٠.	• 1	į		Ī	Ī		7.8		4.7			70.7
	• .	5	*	•	1	!	1.3	3.5		10.T			77.3
ESE	• 7	4.3	•	•	1	ì		7.2	!	13.0			78.3
, st	• '	4.8	*	•	*	1		4 . 5		14.3			36.7
. 55E	•	15.2	•		t	1	1	4 . 3		2.2			76.1
	: • `	5.9	•	• •	•	1	.4	9 • 1		1.1			80.8
500	·	3.3	1	• •	1	1		2.4		3.B			89.0
		12.3	•	•	1	1	7.1	12.0		6.4			61.7
***	4 • 5	1	*	•	. 1	1	4.5	₹.1					77.7
. *	1 .7	•	•	, ,	*	Ì	1			14.3		1	71.4
****	. 7	25.0	,	•	1	1	1	· 3		1			्डन, हा
	•	4.4	Ť	•	†	- 1	†	12.0		₹.5			47.6
NUA .	7.5	11.0	2.6	•	ţ			14.3		3.9			42.2
, AR AH +	•	, ,	<i>*</i>	• •	<u>†</u>		†						
, A. W	- 1 F	108	108				<b>`</b> ~:*	THE		1	~ *	<b>~</b> ~ *	THE PERSON NAMED IN
-	_	_		-									
	255	114;	4 4	1	İ	- 1	7	247		104		[	1322
***	12.	5.5	2.1	1	1		- 3	11.5		3.0			63.8

TOTAL NUMBER OF OBSERVATIONS

TOURS, JA AN JANUARY 1975-D. CEMBER 1982 CCTOBER

	 	FA 14	#A.N.	7 FREEZINGS SACTO CRIZZE FREEZINGS CRIZZE	SHE WERS!	NOW GRAINS PELLETS SHOWERS	14A1; 555A1; 158A1;	THUNDER	for,	ICE FOG GROUND FOG	SMURF MAZE	BLOW:NG SNOW	BLOW NG SAND AND DUST	NC: WEATHER
•	<b>~</b>	· · •	3.1	1.2	*			! †	14.8	i	6.6			57.9
٠,	· . E	1.	1.4	1.1	• •	1		• 3	11.2	t	6.6			68.8
•	٠, ٢		• • • • • • • • • • • • • • • • • • • •	•	•			[ ]	7.4	Ī	8.9			77.0
	tet	3.	•	•	•	Ī			5 . 3	Ī	7.0	, <u> </u>		94.2
	F	. 4	2.7	•	•	1			5.9		8.8			75.0
F	SE	5.	•	•	•			I 1	2.9	•	8.6			82.9
	>F							] ]	,	I	11.1			88.9
	S. F.	· •	. 2	•					6.5	Ĭ	6.5			77.4
		3.	1.3	•		. !		. 9	4.5		7.1			83.0
	<b>S. 49</b>		.2		İ	I			3.4	I	6.9			A2.8
	•	· .		1		Ī			2.0	I	5.9			56.3
^_ <b>∧</b>	5.6		6.5	•					3.2	I	6.5			80.6
	•					·			12.5	i	25.0			62.5
્રં ∗	*4 #								18.2				(	81.6
•	. *	~2.				I		2.5	8.2	I	2.0			67.3
( ·4	r. <del>4</del>	5 •	2.7]	1.1		Ţ		•5]	10.9		2.2			57.4
. 4 19	$\mathbf{A}(\mathbf{H}_{+}) \rightarrow$			· ·										
, 4	٠. ٧	J. 130 T	_ +i([	) <del>-</del>		_ ]			) bool	$\sim$			$\rightarrow$	1
				]										
	T # .		51,	161	+ +	Ì		4	237		141		L	1467
	. * * .	<u>i</u> .	2 • 3	• 7				•2	10.9	1	6.5	L		67.3

TOTAL NUMBER OF OBSERVATIONS

1449454 1013-D-CENTED 1085 # ALMBE.

y tel 1 m	8 a *a	*		FREEZING, DRIZE,	CORPT TO ARREST	SN A GRAINS PRIJETS SHOWERS	HAIL 555ALL HAIL	THUNGER	F7G	ICF FOG GROUND FOG	SM-DRF HAZE	BLOWING SNOW	BLOWING SAND AND DOST	NC WEATHER
	1	1.2	1.1		•			! !	1 7	•	10.7			59.4
***	. 7	1 • 2			•	!		† †	. 8		13.9			69.4
· •	٠, .	1.:	•		•	1		1 1	3.3		18.7			73.7
ENF	. !	•						1 1	6.7		20.0			70.0
		•						! !	2.5		25.0			70.0
1.56	: •					7		1		•	13.0			73.9
S.E.								ĪĪ	7.4		24.1			72.4
(5E)								l I	3.4		24.1			72.4
	•	2.0				1		1.0	6.3		14.0			73.C
55.	•	4 . 7				j		II	8		1.9			89.6
		3 • 7						I I	1.5		5.6			88.9
A' A	• 5							[			10.0			80.0
•	٠.,							1 1	7.1					<b>85.7</b>
****								I I	21.4		7.1			71.4
**	<b>1.</b> 4					i		I I	12.5		12.5			64.6
NAM	` • • 1	2.9	1.0					I I	· . B	L	6.9			61.8
						أسا		LI						
A. W	- 416	0		_ ~ _	<u> </u>			$\geq \leq 1$	200	$\geq <$	7	$\sim$	$\leq$	<b>300</b> 0
* * * * *	219		11					1	191		253			1412
	11.1	1.03	• 5		L			• 0]	9.0	L	11.9		l _ i	56.3

2,129 TOTAL NUMBER OF OBSERVATIONS \_

3 1.50 T. U. AM JANUARY 1973-DECEMBER

with the second	T T	RANGERS		7,667   5H WERS   6 F	SNOW GRAINS PELLETS SHOWERS	HAIL SAIALL HAIL	**********	ecc.	ICE FUG SEUUND FIG	SNE DEE	BLOWING SNOW	BILLWING SAND AND 1UST	NO WEATHER
		. 7	• 3	1	. 4		1 1	5.1	İ	16.3			70.1
NNE	! • ∘	1.2	• 3 ]					3.3	[	10.4			80.9
*•F	1.	.8]	1		• 5]			. 8		15.8			61.2
E 241	2.0	1.3	i					1.3	I	22.8			72.2
		1 • 7	•					1.7		20.3			76.3
ESE	7				3.7			3.7		14.8			77.8
SE					ì				Ţ.,	9.5			90.5
. 55 <b>€</b>		I I	<del>Υ</del>					2.9	l .	8.8			A8.2
	• •	I I	Ĭ					5.1		16.3			79.6
354	• 1	2.1	T				1 1		I	7.4			89.5
5★		1.	i	1					1	11.9			86.6
#S#	•	I I	I I		[				l	2.5			95.0
*		1 1						10.0	l	3.3			86.7
ANA										12.1			84.8
***			Ĭ					5.3		15.9			74.6
NNW	•	[ 1.6]	1		1.6			6.9		14.4			68.6
VARIABLE		l				_							
A . M	7		)><\	-		$\geq \leq$		7366	$\geq \leq$	<b>DW</b>			<b>&gt;</b>
	!		7	İ				96	1	331			1609
TOTAL	+ - <del>-</del>	-,9		ļ.,			↓ ↓	4.5		15.4	<del></del>		74.7
7. TOTA.	<u> </u>	, , ,	• • • •	<b>.</b>	• •		<u> </u>	4.5	<b>.</b>	13.4		L	/40/

TOTAL NUMBER OF OBSERVATIONS 2.154

TOUT , US AS UPAGE STREET 1982 SEL

AND A	A & +4	e park Surwees !		BEET NOW A PERSON OF THE PERSO	1,14. ( 10. ( WHEL 1   10. ( WHEL	Chi A T CUBATES PECCETS SHINWERS;	+ <b>A</b> 16 544 <b>A</b> 13 + (A14)	Ten inglies		ICE FIG SEDUND FG	SAF, RE	BLOW NG	BECOWNIA SANE AND GUST	No.
· 💃 ·	• •	2.4	2.5	• 4	•	• 0	•	• 1	11.5		6.8		. 5	60.1
NNE	3.2	2.1	1.7	•	•	• •		•1	4.1	• *	¥.Ć		1.	75.0
•••	• 1	2.	1 • 5		•	• 🗓		3	7.4		9.8			71.7
ERF	• 6	2.1	•6			• 1		.6	7.0		13.3			67.6
	•	3.2	. 9			:		•5	4.6		10.6			75.4
. FSE .		2 · B	• 5			• 5		1	4.0		10.9			77.8
. SF .	• •	4.3	1 - 2		:	į.		+ -,+	5.3		11.8			72.0
TOUR .	• 5,	5.2	• 3	•	÷	•,•		•2	5.5	1	8.4 7.1		+	77.6
		4.2	. 2	•	•	te.		-4	3.2		4.5		.01	83.5
		3.2	.1.	•	ŧ	• 5	,	= = = = = = = = = = = = = = = = = = = =	4.2		= 5.1		1	32.2
	• 1	4.5	.6	•		_ <b>T</b> *		.6	6.3		7.2			76.7
		1.6	.5	•	•	•		2.0	12.6		5.6		† †	72.2
****	7.	4.2	2.1	٠	•	. 5		-5	12.2		5.3			68.7
	11.5	1.5	1.1	•		• 21		.7	11.0		5.4			61.4
1000	77.4	3.0	1.3	•	*	. 0		•3]	€.8		5.7			FUeU
A. W.	المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة ا المراجعة المراجعة			. ~ 4	. ~ <b>*</b> I		_ ~		$\nearrow$	> <				
	3.2	733	316	, 1	:	150		61	2205	,	1827		5	17305
	12.3		1.3	ימי י				2	£.9		7.3	L	.0	60.5
	1000		1.3	<b>.</b>				1	C	L	( • )	L		0 4 6 5

TOTAL NUMBER OF OBSERVATIONS 24,892

 $\gamma_{k}$  . By detail Boulding A to will, N = 1

### PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This partion of the Uniform Surmary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION DERIVED FROM DAILY OBSERVATIONS
NOWFALL\*
DERIVED FROM DAILY OBSERVATIONS
DERIVED FROM DAILY OBSERVATIONS

- 1. The first table for each of the above presents the <u>percentage frequency of various daily amounts</u>, by month and angual, ell year combined. The percentage of days with measurable amounts is also computed monthly and amountly. Also shown for the precipitation and showfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter intistics above are not presented for the show depth summary since they would have limited use and may see hisleading.
- 2. The econd set of tables for each of the above presents the extreme daily amounts by individual year and ments for the entire period of record available. Also provided are the means and standard deviations for each ment, and annual (all months). The extremes for a month are not printed nor used in computations if one or more abservations are missing.

NOTE: Show depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations	From beginning of record thru 1945 Jan 46-May 57 Jun 57-present	Snow depth at 0800 LST Snow depth at 1230 GCT Snow depth at 1200 GCT
U. S. Navy and Weather Bureau Stations	From beginning of record thru Jun 52 Jul 52-May 57 Jun 57-present	Snow depth at 0030 GCT Snow depth at 1230 GCT Snow depth at 1200 GCT

<sup>\*</sup> Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF POECIPITATION (FROM DAILY OBSERVATIONS)

ATTUST . JAPAN

.1

11-53, 56-71

77.465

						AM	OUÑTS (II	HCHES)						PERCENT		MON	THLY AMO	UNTS
P91 " P	HONE	TRACE	o .	02 05	04 .0	1. 25	26 %	51 1 OC	01 2 50	2 5' 5 00	5 01 10 00	0 01 30 00	OVER 20 00	OF DAYS	TOTAL		(INCHES)	
540 W.A.,	NONE	TRACE	0 0 4	C 5 · 4	1524	2534	3544	4504	6 5 10 4	10 5 15 4	5 5 25 4	25 5 50 4	OVER 50 4	MEASUR. ABLE	OF OBS	MEAN	GREATEST	LEAST
SEPTH .	HONE	TRACE		,	3	4 0	7 1:	13 24	25 36	37 48	49 60	61 120	OVER -20	AMTS				
JAN	•	10.	• *	4.1	2 • 2	4 • 1	3.4	3 • ♥	1.1					19.0	558	1.76	3.93	• 0 6
FEB.	•	10.	2.4	4.3	4 • 1	6.3	4.9	4 . 3	. 9		• • • •		•	27.2	578	2.14	5.09	. 4 (
MAR	• -	15.	2.3	5.6	4.6	8.0	4.7	5.9	2.9	• 2		• •		35.3	527	3.91	6.75	1.7
APR	4 .	11.4	4.5	7.1	4.1	≥ • <b>2</b>	P.4	F.5	4.1	.4			•	43.3	510	5.17	8.16	1.5
MAY	•	. • 3	2.1	5.7	4 - 1	7.9	7.3	7.5	5.0	. 4		• • • •	•	40.0	558	5.63	9.64	2.3
JUN	2 •	14.3	2.4	4.9	5.7	9.8	8.7	6.5	6.1	.9	• 2			49.3	540	7.60	15.59	2.4
J01.	3 .5	1 .2	3.	r.7	f • 1	7.	5.7	6.6	5.5	. 8				43.3	527	6.08	12.01	. 91
AUG .	4	13.7	?.₹	7.6	4.	7.8	5.3	7.2	4.6	. 4				39.1	527	5 . 4 3	12.60	2.2
SEP	• "	16.1	3. 5	7.6	۲, ۲	8.3	9.7	5.7	5.9	1.4	• 2	1		45.7	51 °	7.28	14.12	. 4
ОСТ	•	15.1	2.0	6.5	4.9	9.3	5.5	8.9	3.8	.9				42.7	527	5.78	12.37	3.47
NOV	•	≎.8	4 - 1	5.5	3.9	7.8	4 • 5	4-1	2.0	•2			•	12.2	510	3.00	6.41	• 5 /
DEC	77.1	9.0	• 0	4.6	1.9	2.8	7.7	3.2	1.3	• 6				18.0	527	2.42	8.7	•2
ANNUAL	11.7	12.0	2.6	6.4	4.2	7.2	5. P	5.8	3.6	• 5	• • 1	1		36.2	6329	36.20	$\times$	×

NAVWEASERVCOM

# **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

STAT ON

ATSUGI. JASAN

STATION NAME

1-63, 66-71

YEATS

							AMC	วบคีรร (เ	NCHES)						PERCENT		MONT	HLY AMO	UNTS
PRECP	NONE	TACE	۰. 0	02 05	06	0	11 25	26 90	51 1 00	01 2 50	2 51 5 00	5 01 10 00	10 01 20 00	OVER 20 00	OF DAYS	TOTAL		(INCHES)	
SNOWFALL	NONE	TRACE		0514	152	. ;	2 3 3 4	3 5 4 4		6 5 10 4	10 5 15 4	15 5 25	25 5 50 4	OVER 50 4	MEASUR-	OF TOBS	ME AN	OREATEST	LEAST
SNOW DEFTH	NOME	TRACE	· 	2	3	·	46	7 12	13 24	25 36	37 48	49 60	41 120	OVER 120	AMTS			-	
JAN	• *	* • 7	•		7				. 7			•		•	1. "	558	1.4	12.9	•
PEB	4	1 .		•	2	• 4	• 6	. 11	.6	• ?	•2	•		<del>-</del>	5.3	508	3.5	13.6	TC AC
MAR		, . 2	•	•	6	٠,	•2		. 4	• 2	• 2		+	•	2.3	527	2.2	19.9	•
APR	٠, ٥	•	•	•	•		• 2		•				•	•	• 2	510	• 2	3.0	•
MAY	175.3		•	•	•••	•-			• • • • • • • • • • • • • • • • • • • •			•	***************************************	**	•	558	•3		•
NUK	1 1		•		•		· •		•			•		•	•··· <del></del>	540	. 0	• 0	•
יחר .	:15.8	-	•	•	• •	•			• • • • • • • •		•	•		<b>*</b>	•	527	• 0	• 3	•
AUG	1 7.7		•	•					•		<b>—</b>	·	-	• • • • • • • • • • • • • • • • • • • •	•	527	٠,٦	• 3	•
SEP	11.7.7		• -		v <b>e</b> n				•———- <del></del>			<del>-</del>	·	·•	•	517.	• 3	• 3:	•
oct	: :::::::1		•	•	•		•		•					•	*···· = *·	4 96	• ?	• 3	•
NOV	99.4	. 6	•	•	•	. •	•					•	<b>-•</b>		•	510	TRACE	TRACE	•
DEC	79.3	1.7	•	•	. •		· · · •							+- <del></del>	<b>+</b>	527	TFACE	TRACE	•
ANNUAL	1.4.9	. !		1 .	3	• []	• 1		• 1	• "	•0		<del></del>	<del></del>	. 8	6298	7.3		$\overline{\mathbb{R}}$

NAVWEASERVCOM

### **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF SNO DEPTH

TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TEARS

						AM	OUNTS (II	HCHES)						PERCENT		MON	ITHLY AMO	UNTS
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SMC - DEPTH	NOME	TRACE		,	1	4.6	7.12	3 24	25 34	37 48	49 60	61 120	Over .30	AMTS				
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NAVWEASERVCOM

# TAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

#### **EXTREME VALUES**

POSCIPITATION

TTO STATION

MARSH JERMAN

STATION NAME

1-63, 66-71

YEARS

TH HOUR ANDUNTS TH INCHES

MONTH"	IAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ост	NOV	DFC	ALL MONTHS
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ra 🏗	. 4 P			+	2.64	2.09	7.47	• ೧ €	3.17	1.12	.19	.67	
t ji	. 0	- 5 ₫	• 32	2.67	2.03	2.36	# B •	1.17	3.63	.61	1.86	1.33	3.6
. <	• 4 2	1.13	1.0	. 4 8	2.37	1.11	1.17	4.21	1.5P	2.14	1.71	1.22	4.2
	1.17	.44	2 . 34	1.71	1.9	1.44	1.51	1.68	2.21	4.37	• 45	.27	4.7
	.17	1.72	1. 7	1.09	7.37	4 - 12	1.55	1.13	2.43	3.13	. 48	1.75	1.7
<u>u</u>	<u>•₹0</u>	1.42	- 57	. 47	• • 3	• 9 9	7.84	2 - 26	7.25	1.75	.95	1.40	7.:
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· 1	1.01	.14	1.14	1.75	1.47	1.33	2.16	1.76	.89	1.27	.81	.17	2 - 1
1 "	• 3 G	.38	1 - 26	2.39	. 6 1	4.68	.69	.87	2.81	1.42	1.39	.77	T. T.
	. 34	•27	• <u>• • </u> _	1.75	1.27	2.09	2.39	.80	- 30	1.33	2.67	2.93	7.
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· 6	. • 6 3	1.97		1.03	1.87	8.80	1.95	1.10	1.93	1.57	• 32	• 2 4	п.
	• • • •	- 31		1.47	1.11	1.07	.74	.86	1 • 2 9	1.34	• : 1	.64	1.
	• 50	1.00	1.67	.97	1.87	2.35	3.21	3.00	-81	1.26	. 67	3.00	3.
	1.62	- € 💐	2. 21	1.63	1.37	1.85	2.23	1.63	2.39	2.81	1.02	. 57	7.
	- 1.54	. 64	1 . 30	1.15	2.04	4.23	2.99	1.35	1.24	. 77	1.56	1.12	•
	• • •	•6	1.24	1.63	.96	1.54							
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MEAN							, ,			1.75	1.21	1.25	
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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

# **EXTREME VALUES**

PRECIPITATION
FROM DAILY OBSERVATIONS

TTSUST, JAPAN
STATION STATION NAME

<1-63, 66-71

YEARS

TH HOUR AMOUNTS IN INCHES PRASED ON LESS THAN FULL MONTHS?

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# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

# **EXTREME VALUES**

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STATION NAME

TION NAME

1-63, 66-71

VEARS

24 HOUR PHOUNTS IN INCHES

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OTAL 085	5.58	508	5 2 1	510	234	540	527	527	317	496	510	527	250

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

#### **EXTREME VALUES**

SHOWFALL

FROM DAILY (18SE AVATIONS

FISURI. JAPAN STATION NAME

51-63, 66-71

YEARS

24 HOUR AMOUNTS IN INCHES /PASED ON LESS THAN FULL MONTHS/

MONTH	PAN	FEB	MAR	APR	MAY	JUN	JU L	AUG	SEP	ост	NOV	DEC	ALL MONTHS
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#### NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

### **EXTREME VALUES**

SHOW DEPTH

FROM DAIL Y SHISEHS AT 15NS

311 STATION STRUCT JAPAN

52-63, 66-71

YEARS

#### DATEY THOU DEPTH IN INCHES

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OC T	NOV	DEC	ALL MONTHS
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TOTAL OBS	527	479		-2C	496	980	496	496	480	465	480	496	5749

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

# **EXTREME VALUES**

SNO. DEPTH FROM DAILY OBSERVATIONS

STATION NAME

DATEY SNOW DEPTH IN INCHES PRASED ON LESS THAN FULL MONTHS!

MONTH	JAN	FEB	MAR	APR	MAY	JUN	inr	AUG	SEP	ост	NOV	DEC	ALL MONTHS
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TOTAL OBS			<del>   </del>								<b></b>		<b>†</b>

#### PART C

#### SURFACE WINDS

Fre enter in this part are various tabulations of surface winds as follows:

Extreme Value: - Peak Gusto: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 timps: p into from the beginning of record through 1963, and in tens of degrees starting in January 1964. When PMS is more of the daily observations of peak gust wind data are available for a month, the extreme is elected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A applementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three table, are prepared for all surface winds included, and for all years combined as follows:
  - (1) Annual all hours combined
  - (2) By month All nours combined
  - (3) By month by standard 3-hour groups
- t. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

# **EXTREME VALUES**

SPREACE WINDS

TENSI . JAPAN STATION NAME

1-63, 66-71 YEARS

DATEM PERR GUSTS THE KNOTS

MONTH	JAN		£ : £	3	MAI	R	API	 R	МА	٠,	Ju	IN .	JU	L	AU	G	SEF	, [	OC1	, ]	NO	v	D	<b>E</b> C	ALL MONT	
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**NAVAL WEATHER SERVICE DETACHMENT** ASHEVILLE, NORTH CAROLINA

#### **EXTREME VALUES**

SURFACE MINES FROM DAILY OBSERVATIONS

STATION

AFSURI, JAPAN STATION NAME

<u>51-63</u>, 66-71

YEARS

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NAVAC WEATHOUGH GREYS C SET OF POST NE AND COLORS

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

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Comparison

SPEED

Mer. SPEED

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CALM											1	
	г.	37.	2 . ,	7.0	. 7					ĺ	100.5	5.1

TOTAL NUMBER OF DESERVATIONS

NAVAS AS ASSASSAS SERVICES CASSASSASSAS ASSASSASSASSAS

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	: - 11 - 16 :	17 - 21	22 - 27	28 · 33	34 - 40	41 - 47	40 - 55	≥ 56		MEAN WIND SPEED
N		22.1		2.1								, ,C.	5 • 7
NNE		7,7	u •	3.								2 .4	6.
NE	`		•	• 7									4
ENE		• '										1.	3.5
2													
ESE						I							
SE													
358												1	
5		•		• '								2.1	•
55W		·	i •	, 		<u> </u>	• · · · · · · · · · · · · · · · · · · ·		! •		• - =		6.
sw		1.				<u> </u>						1.	5.
wsw				•								1 • • ]	10.0
w	1.											1	3.1
WWW					! <b>!</b>	ļ			·		•	l	
NW						<u> </u>						I• ]	4.
NNW	<u>'.</u>		•		· •							I	- •
VARBL													
CALM	><	$\geq <$	><	$>\!\!<$	><	$\geq \leq$	><	$\geq \leq$	><	$\geq <$	$\geq <$	1.	
	/1.1	3 ' • 3	19.5	7.7								100.0	4.

TOTAL NUMBER OF OBSERVATIONS

A SECTION

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (ENTS) DIR.	# 	. 4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	34 - 40	41 - 47	40 - 55	≥ 54		MEAN WIND SPEED
N		1 • '	1".	7.1	• 4			<b>.</b>				7.5.6	5.4
HHE	i	. 4	5.	1.				<b>4</b>				10.	5.
NE	<u>.</u>		1.	• +		·		·				3 • 1	•
EME	π •	• 1	• 4					•				1.2	
ŧ	•	. i.						<u>:</u>				•	3 •
ese		· · · · · · · · · · · · · · · · · · ·		•	•	ī 4	·	<b>.</b>	•	• · · · · · · · · · · · · · · · · · · ·	•	•	
SE	<u>.                                    </u>	·	· •	· 	L				<u>.</u>	•	•	·	
\$\$6	<b>.</b>	•	; ∔		· •	· 	•	•	i +	•	•	: <del>-</del>	
_ <b>5</b>		•· ·	ļ	· •	; •	·	• ·	····		·	<b>-</b>		2.
ssw	ļ: <b></b>	•	<u> </u>	· · · · ·	· 	 	•	: +	<u>.</u>	<b>.</b>	·	ļ	11.
sw	<u> </u>	· 	: <b>-</b>	1.	! •	·	···		ļ	•————·	•	1.	12.
WSW	<u> </u>	·	·•	• ^	L		•	·	4		•	2.3	<u>\$</u>
<b>w</b>	· · · · · ·		L		<u> </u>	i •			<b>+</b>	•	<b>↓</b>	1 • 2	4.
WHW	<u> </u>	•			<b></b>	<u> </u>	•	•	<u> </u>	•	<b>.</b>	1.7	3.
NW	1.	1.7	•		·		: 	·	<b>+</b>	•			3.
HHW	<u>• i</u>	F •	1.1.	ļ <u>.</u>	• 4		<u> </u>	<u> </u>		<b>.</b>	L	13.2	٠,
VARBL	<b>-</b>	<b></b>					<b></b>	<del></del>	<b></b>	<u> </u>	حر - ٠٠٠	# <del></del>	
CALM	><	> <	><		><	$\geq \leq$	><	><	$\geq \leq$	> <	$> \leq$	12.	
		1.4	27.	2.9	. 6							1 0.3	٥.

TOTAL NUMBER OF DESERVATIONS

786

NALAS AR STANDONS SESSO Eller Hills ST Albert G. E. No

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL EATHER

SPEED (KNTS) MEAN 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 6.5 34 . ? 6.9 NE FSE 386 5 35W SW 1.1 wsw w 4.6 3.5 NW 11.2 12.3 CALM 24.5 ZR.6 13.8 100.0 5 . 8

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL REATHER 17

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥#		MEAN WIND SPEED
N		2.3	1.6	3.5	. 4							11.1	10.4
NNE		41 - 17	7.7	2.3					:		•	16.2	7.8
NE	1.	7	7.4	1.1		•			T			9.	. 3
ENE	1 •	2	1.1	. 4		1						1.5.6	5.3
	•	1.	. 4			· · · · · · · · · · · · · · · · · · ·	•		·			<u> </u>	4.5
ese	1.	1.1		•		· · · · · · · · · · · · · · · · · · ·	·				•	2.	7.3
SE	•	3.3	<u> </u>	<del></del>	·	 •		•	•		• • • •	2.5	4 3
556	1.	1.	• 4	1		•		•	•			4.1	4.4
5	7.4	4.	• 14	2 . 7	. 4	• 4	<b>.</b>	• • • • =			•	11.7	5.7
SSW	•	1.1	7.4	7.	. 4	•		•	•	<b>.</b>	•	a 6.€£.	7
sw	<u> </u>	1.1	• -	2.3	<u> </u>	<b>.</b>			• ·		•	4 . 5	12.0
wsw	<u> </u>	·	•	• 4	· 				•			1.5	• 9
w			1 • 1		: 	<u> </u>	, •——————					1.	<u>5 • 5</u>
WNW		L		. 4		· •			• · · · ·			• • •	13.0
NW			ļ	. 4	· · · · · · · · · · · · · · · · · · ·	 		I ▶		, .		• .	3 • 5
MMM	1.1.	. 4	1 • '	1.1	. 4			·				4 . 5	9.3
VARM			Ļ				<b></b>	k			<b>.</b> ,		•
CALM		><	><	> <	$\geq <$	$\geq \leq$		_><	$\geq \leq$			1 5.3	
	14.3	27.F	29.7	23.3	2.7	. 4					i	11.0.7	. 8

TOTAL NUMBER OF DESERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATEMO STATEM

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	n n	28 33	34 40	41 47	AB - 55 ≥ 54	`	MEAN WIND SPEED
H			٠,	4.7	2.5	1.4					10.	11.7
MME		7		7.	. 4						14.	
NE			4 •	1.4								7.3
ENE		1.4	•							•	4.	. t. r
ŧ		4.	•									3.3
ESE			1.1.1			•					3 • 1	6.
M	1 • 1	1.1	1 • 1	. 4		•					1	6 • 3
225											5	5 . 1
	<u>l</u>	4 .	•			i					17.5	. e .
SSW			1.1	1.4	1.1	. 7					S <b>.</b> ⊃	1 ? • €
\$W	l		•	1.	3.2						5	14.7
wsw		•	1.1	• .						•	· •	11.5
w	-	<b>.</b>	. :	• • •		<b>.</b>				•		• • •
WWW		<b>•</b>	•	ļ.,		•				•		. ***
NW		· •	: •	+ - 2 +		¥ ¥				•	•	3.0
MWW		••	1.1	1.1		•				•		្រុះស្ថិ
VARN			, 			الم						
CALM	> <	$\geq \leq$				><	$\geq \leq $				1.0	
			36.	10.7	7.	2.5					1100.5	. 6

TOTAL NUMBER OF DESERVATIONS

270

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#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATIONS

11 0.1

6.3

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TARLAS ARTOSTAS ASSESSED A A TARLAS ASSESSED Table and the second of the se

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATI <b>Ó</b> A	Σφ. Just E., station neme		<u>*</u> ₹= 1,	TEADS	J.A.N. ■ORTH
		#£ £	CLASE		nouns of a A
		- <del></del>	COMBITION		

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 34	•	MEAN WIND SPEED
N	•	17.1	1	4.5	.4	• 4			• <del></del>			30.0	6.9
NNE		7. 7	£ • 1	• 9	. 4							13.	6.
NE		•	1									1.2	4.3
ENE		•										1.	2.4
Ł													
136	• •		•	T								100	3.3
SE		•	1									• •	6.0
38E	•			1							•	1 • •	3.5
\$	• 2	•			. 4		•				• •		5.6
55W	•	. i.				! ♣					•	1 .	8 • 5
SW		•	1 • '	? • ′	i	·		· 			•	4 . 1	10.2
wsw		•	• ′.	• (					: •		•	2.3	3.6
w		• •					I L				L		5 .
WHW	1.2	. 4							] []			1.2	2.5
NW	• !	! • '	. 4		. 4				·		i •	7.4	4 . ?
NHW	٠ ٦	5.7	7.7			• (						13.1	6.0
VARBL													·
CALM		><								><	$\geq \leq$	5.5	
	22.	2.5	25.4	0.2	1.6						1	170.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2 4 %

-

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

.) <u>4 |</u>. ALL

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16 	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥ 54		MEAN WIND SPEED
N	۷.	10.	1 .	F. 6 3	• *	• 3						1.4	7.4
NNE		٠,	• • •	2.4	• 7				<b>T</b>	•	•	116.7	7.2
NE	•	2.1	. • '	• *	1							F .	6.2
ENE	•	1.		• •					1			1 7.3	5.1
ŧ	•				•						•	2.2	3.7
ESE	•	•	• 3									1.	<b>4</b> • .
SE	•	•	•	• 1	1							1.	4.4
388	•	•	•	• 1					• - · · · · · · · · · · · · · · · · · ·	<u> </u>		1.05	4.7
\$	: •	1.	1.4	1.	• !	• 1				T		5.7	7.1
SSW	•	•	•	1.0	• ?	• :			•			2.4	17.1
sw			•	1.6	. 7	1				į		7.4	11.7
wsw	• •	• 7		.6		• 1						2.1	3.5
w	•			• 2	1							1.	5.1
WHW	•	• `	• !	• 1					T	Ĭ			4.7
NW	1.	• 1	• -	• 1	• 1					7		1 2 .	4 - 3
NNW	•	3.	7.7	• 7	• 2	• 1			1		Ĭ	1	6.6
VARM		Ī	I	I					I	Ī	Ĭ .	I	
CALM									$\supset <$			5.1	
	1 . 7	29.7	27.6	13.8	2.1	• 6				Y		170.0	5.4

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (ENTS) DIR.	1 . 3	4 - 4	7 - 10	; 11 - 16   ;	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	4	MEAN WIND SPEED
N	#	12.7	15.5	2.5		<del>*************************************</del>						77.7	6.2
MME		7.5	12.3	4 - 1								27.	7.5
NE	1	•				<u> </u>		<b>.</b>				* 3.3	6.5
EME	•		• · · · · · · · · · · · · · · · · · · ·	1		· • · · · ·		* · · · · · · · · · · · · · · · · · · ·				1.	3.0
ę		I		·	•		•	·	: 	·			
ESE		! •		: 	• · ·	· • ·			· •				
H	* <b>*</b>		! <b>+</b>	· •	· • —— —	<b>*</b>		· · · · · · · · · · · · · · · · · · ·					5.0
356	<b>!</b>	: •	· •	ļ	· 	<u> </u>		•	• —			<b>+</b> ••••	3.0
_ •	<b>.</b>	•	L			<del></del> -	<b></b>	•		•			3.5
SSW	<u> </u>	•	· •	<del></del>	<b></b>			•				2.5	
<u>\$</u>	#	<u> </u>	•	<u> </u>	· •	<del></del>		· ·	·			4-203	
wsw	ļ	1.	<b></b>	<u></u>	•	<del></del>		•			-	4 -4-4	-3-5
w	<u> </u>		ļ <u> </u>		<del></del>	<del></del>		÷	· · · · · ·			+	. 11
www	1.	1.	<del> </del>		<del> </del>	·	· · · - · - ·					# 3.3 1	33
NW	1.	5.7	<del> </del>	1.6	+	<del>}</del>		بسنا		<b></b> •		10.7	ι.2
VARM	<b>†</b>		<del> </del>	·	<u> </u>	<del> </del>	<del></del>	<del>-</del>		• • • • • • • • •		#	
CALM											$\geq$	7.4	
	1	34.4	31.1		İ							100.0	5.,

NAVACACATORICACI OFTACOMENT ATORICACION

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOTAL TOTAL

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	: 11 - 16 :	17 - 21	!   <b>22</b> - <b>27</b>	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54	1. •	MEAN WIND SPEED
N	. ,	17.7	1.	1.6		1			<del></del>			-4.4	5 • 5
HHE	`•	۴.	٠,٠	2.4								16.	5.9
NE		•	•									3.2	5 . 5
ENE	Ī			•		1							13.5
ę.	•					1				,		1	2.0
ese	Ï.	1	! 									Ī	
54												<b>*</b>	•
352	<u> </u>	: •	! <del> </del>	: 		İ		; 				1	
	<u> </u>						· 					1	!
SSW		i •	•	, F.	·	İ						2.4	¥ • 1
34				1.		İ						2.4	12.
wsw		·										1	10.0
w												I	
WNW		•				I							6.0
NW		1.2	•	. 0				I L		i		5.6	5.1
MHW	· ·	4 .	5.6									12.	5.6
VARBL												1	
CALM	><	$\geq \leq$		><	><		><		><			A,G	
	1 '. 7	33.0	31.5	۵ . 1								100.7	5.0

TOTAL NUMBER OF OBSERVATIONS

124

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

= gyayāpa	STATION SABS	13=1.1	YEAM	 €£ ************************************
	ALL	CLATHES		36 100 100 11. 1
		COMBITION		

SPEED (ENTS) DIR.	1.3	4.4	i 7 - 10	17 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54		MEAN WIND SPEED
N	•	27.3	15.2	5.6								57.0	5.1
MME	2	5.	2.4	2.4	.4	<del></del>						14.3	6.4
NE			1.4	. 4				!				3.2	6.1
ENE	1	1	1									H	
E	•	!				•— — ·		· · · · · · ·				1	2.0
188			1			į							
5.6		!					:					. 4	7.0
350													
\$	•		• •	. 4					i			7.	7.5
55W				•		- 4	i		T			1.2	15.3
\$W	1			1		1	• 4			i		1.2	17.7
wsw		• 4		1									4.0
w	I	•	!	1									4.5
WNW	I											• •	4.0
NW	1.2	1.	• 4					i				2.5	4.4
NNW	7.5	4.	2.4	. 4					Ι	Ĭ		10.0	5.7
VARBL		I	I						I			I	
CALM					><						><	5.6	
	17.	4 . 1	2 '.0	17.	. 4	. 4	. 4					1 10.0	5.9

TOTAL NUMBER OF OBSERVATIONS 2.3.1

**9M**O8

MANACACATOON SO LEE DETWOOMS NO ASSE ALE NO

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

198	<u> </u>	Å STATION REMA	YANG YANG	F¢*
			ALL FATHE>	000 05 (L 5 T
			(969)1 (98	

SPEED (ENTS) DIR	1.3	:	4 - 6	1	7.	10	11	- 16	17	- 21	21	2 - 27		20 - 3;	•	34	40	41	- 47	44	- 55	≥ 54		MEAN WIND SPEED
N		•	11.	1	10	• *	11	• '	<del>}</del>	• 8	!		<u> </u>									<del> </del>	46.0	8.4
MNE	*	- ··•	4.		7	•	, ,	. ¢	:						- •								18.1	5.9
ME	•	•	2.1			•	•	. 4	•											,			5.3	5.8
ENE		•		٠		- '	•		•					-				Ī				•	1.5	3.0
ì	•			•	-	-	•				-	-	•										. 4	2.0
tat	•	•		•							<del>-</del>												• •	2.C
u	Ţ .	_		Ī					1				_							1			. 4	3.0
395	Ī		•	Ī			•				T = 1	• ~						T .		. <b>.</b>			• 5	15.0
•	T .		•	ī		•			<del>,</del> .		· -							 					2.	3.3
53W		Ī	• •	Ţ				. 4			Ţ											*	1.2	6.3
144				•		•		•			· 							I		Ĭ.			2.1	9.0
wsw	I																			Ĭ			1	
w	I	٠.		Ī				. 4			Ĺ							1		I.				6.5
WNW	•	_1		Ī							i		1		T					I				4.0
NW	·	Ţ	1.	∓ 	1						:		- ¥		, Ţ						_	: 4	3.7	6.2
MACW	I •		4.	Ι	2	•	ı	• ?			,				· ·			1.				1	8.6	7.1
VARRL		Ĭ					₹ —— .		T <del>L</del>		<u> </u>							L		L		<u> </u>		
CALM	$\geq$		$\geq <$	7	_>			×		$\leq$		><		><		>	$\leq$		$\leq$		$\leq$	$\geq <$	6	
	1 .	,	2 . "	Ţ	32	• '	17	. 7	İ	• R		. 4								1			100.0	7.0

NAVAC ARACTAR O BASANA ON TO AMENT AMERICAN FOR

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION -	SYATION NAME TEACH	eeste .
	ALL WEATHER	NOVER ALS Y
	PARTITION .	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	· ·	MEAN WIND SPEED
N	• -4	3.	₹.8	7.5	• 5			1		<del>• • • • • • • • • • • • • • • • • • • </del>		71.2	9.6
NNE	• 1	E, . F	£ • c	6.3	. 4							20.2	€ • 4
NE	•	u . ~	1.3	1.3						•		7.6	6.8
ENE	1.	2.	1.7					1			•	£ £	5.5
ŧ.	• 1	1.	. 4			·			<u> </u>		···· -	4 4 -	
ese	•	1.7						,	1			2.	4.2
SE	1.	. 4			!			•	1			1.7	2.1
SSE	• •		1.7							1	<b>4</b>	2.	6.0
3	• 1	3.4	7.0	٩٠					1			13.	7.1
SSW	• 1	2.1	1.	2.1	2.1	. 4			1			8.4	11.2
sw		•		• 1	<u>.</u> 4	,		i		1		2 • 1	11.
wsw		•		• 5								1.	10.0
w			•			[			Ĭ	I	·	. 4	15.0
WHW		•		. 4						I			9.0
NW		•	•							Ţ	Ĭ	1.7	10.5
New		•	• ''	1.7	. 4			I	I	·	Ĺ	2.5	12.2
VARBL								·	I	I	I		
CALM	><	$\supset <$	> <	><	> <	><					><	2.	
	11.	25.6	27.0	22.7	4.2	. 4						1000	à."

AND CONTRACTOR

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

87.6 T #84	75-4-1 Italies west	Figs weath
	ALU FATHES	1 6 00000 (L S T
	CÓMBITION	

SPEED (ENTS) DIR.	} ∰ 1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	! 34 - 40 !	41 - 47	40 - 55	≥ 54	: 💊	MEAN WIND SPEED
N	<u>.</u>	1.2		4.1	2.			<del>}</del>				14.5	10.9
NNE		1.	• • •	2.4	. 4							5.9	9.7
NE		7.	2	1.								5.5	e . 3
BNE		1.	2.4									4.5	6.2
ŧ	T	?•	1.	. 4								3.3	6.7
ESE	• 2	7.	1.7						1			4.5	5.2
SF		<u> </u>	2	. 4				·	<u>.</u>			5.3	7.1
356		7.	7.				·	•				f. • 1	6.1
	•	1	11.4	4.1	1.2		· •	·	: <del> </del>	·	<b>.</b>	22.2	9.7
SSW			3.7	7.	. 4	·	•	<u> </u>	ļ	; •	•	7.7	11.3
SW		· ·		1.2	1.2	, 	·		: 	ļ		J 3.7	13.6
WSW		•	· ·					· +	: •	· 		1	10.5
	L	•	• 4	L		ļ			<u> </u>	i +		1.2	3.3
WNW		-	• •					ļ		· 			1.00
NW	<b>.</b>	· •	<u> </u>	• 4	. 4	<b></b>		<b></b>	<b>.</b>	, <del> </del>	·	1.2	13.5
NNW	l		1.2	1.2	. 4				i	<b></b>		3.7	10.6
VARM	L		L		· · · · · · · · · · · · · · · · · · ·			<u></u>		Ļ		1	
CALM	$\geq \leq$	$\geq \leq$		><	> <	><	> <	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	2.3	· 
	* 3	22.	42.7	17.9	5.5	• 3						1000	8.7

TOTAL NUMBER OF OSSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	. 28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	" • ii	MEAN WIND SPEED
N		1.0	-						:			24.4	3.9
NNE	•	2.7	5.	7.7	!	1						14.1	4
NE	<u>.</u>		7.	1.				1	Ĭ			. t. • €	7.9
ENE		1.	•						1		_	3.1	4.6
t			1.		1				T			4 •	5.2
tst		•	• •									1.	5.5
¥	•1	! . 1							Ĭ	•			3.2
334		1.01						•	Ī 🗒			] 3.1	3.1
\$	I •		1.	1. "				· · · · · · · · · · · · · · · · · · ·	L.,			11.	<u> </u>
\$5W_	L_i•	2.1	1.	1.1		} ▲:	·	: 	l <del>-</del>	•	: • · · · · · · · · · · · · · · · · · · ·	6.	5.0
SW		1.		7.7	•			·	<u> </u>			6 • '3	8.7
wsw	• •		• 1	1.				•		+		2 • 3	10.8
w	I	· •		i	•		! •	L	· ·	•		j • 4	6.5
WHW	I .	. 1		• 4	•	i •	 	L		L		1.	5 · 8
NW				i						<u> </u>	İ	1.	5.2
New	I		• 4	1.1	. 4	• 4		· 	i	·		3.4	11.1
YARRI									L	Ĺ	Ĺ		i
CALM		$\geq <$			><	$\geq <$	><		$\geq \leq$	$\geq \leq$	><	5.	i •
	11.	29.5	24.0	23.3								1.0.0	7.1

TOTAL NUMBER OF OBSERVATIONS

252

Appropriate Communication of the Communication of t

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2.1

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54		MEAN WIND SPEED
N		11.4	11.2	1 • 3	• 4			1				26.3	3 . 3
NNE	1.	' • 1	3.7	3.1	. 4							77.1	7.6
NE		•	•	• 4				4				3.1	F • 0
ENE	Ţ	2.7										3.1	4.0
ŧ	<del></del>	•	L					•	<u>.</u>			] <u>• 4</u> .	5.0
ESE	<u> </u>	·	· 	· •				•	•	· •	•, ••	4	3.7
SF	r 	· · · · · · · · · · · · · · · · · · ·	; • =	•			• •	•	: •	•	•	•	
356	1.		· •	<u> </u>			• ·	•	•	• == · · =		1.	1.3
	·		<b>.</b>	•	· •	; •		•	•	·		1.5	2.7
SSW	i	• •	• 4	• G	• 4	· •	<u> </u>	•	•	<b>.</b>		3.1	12.7
3W	·	•	2.7		<u>.</u>		<b></b>	•	•	•		5.	6.9
wsw		·•	•	• ^			•	·		· •- ·	•	2.2	9.8
w						· 		·					3.3
WHW		· · ·	• • <u>.</u>	ļ		<u>.                                    </u>		• -	•	· 	•	1.2	4.5
_ NW	1.	1.3	ļ	• 4.		L	L	·		· •	•	3.1	4 . 4
NNW	5	4.5	1.	• •	<b>.</b>	· 	·			• ·		11.2	4,9
VARBL									· 	 	و د ی		
CALM		><	><	><	><	><	> <		$\geq$		><	5.4	
	1 .6	31.7	27.2	17.9	1.8		. 4					100.7	7.0

TOTAL NUMBER OF OBSERVATIONS 224

And Angle Control of the Control of

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SLE CATHE

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54		MEAN WIND SPEED
N		11.	12.3	7.	. *							74	7.7
NNE	1.	· • ·	١.	! • 7	• ?							16.7	7.6
ME		1.	•					•		• - • • •		<u> </u>	7.1
ENE		1.		• 1				· • - · · · - · -	4			2.	_ 3
<u>!</u>	*	•	<u> </u>	• 1	· 			<b>.</b>	<del> </del> <del> </del>			2.3	5.1
154	<u> </u>	• • •	·•		·			<b></b>	•	<b>.</b>	<b></b>	<u>. 1 </u>	5.
<u> </u>		٠ <del>-</del>	! 	<u>• 1</u>			L	<b></b>		<b></b>			5.5
352		• '_	نيفيد ا		·		•	·		•		د الله الله الله	5.4
<b>.</b> ,	1.	, <u>l•</u>	ļ <del></del> .	<u> </u>	• 2				<b>.</b>			7.c	7.3
ssw	<u> </u>	•	1::	1.1	• 4		• <u>1</u>	1 ◆	•	<b>+</b>		4 . 4	
sw	<u> </u>	• - <del></del>	•	1.2	• 3	• !	<u> </u>	·		· •		3.4	<del>9 • E</del> -
wsw	· · · · ·	• • • • •			1			·		·		1.2	- <del>7 • 5</del> -
w	<del>-</del>	٠ <u>٠٠</u> .	<b>-</b>	} <del>•</del> -					•	وحال ومنظ			
www		+ <del></del> -	- 1 =	• 1 7					·	i		<u> </u>	. <u>5</u> •8 5•5
NW	1.	+ - <del>10</del>	<del></del>		•1	• !		·	<b>+</b> ·	·		531	6.9
NAW.		÷ £i							<del> </del>	•		1 - 1 - 1 -	· · · · · · · ·
VARBL	<del></del>					<u></u>	<b>\</b>		~~~	<u> </u>		T.T.	
CALM	$\searrow \le$	$\searrow$		> < <	$\geq \leq$	$\sim$		$> \leq$		$\geq \leq$	$\sim$	L	
	1 3	30.	30.7	17.0	2.0	• 4	.1					1 0.	7.5

TOTAL NUMBER OF OBSERVATIONS 1710

MASALAN HIS SHIPLE OF TALESTEE ASSESSION N

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥ 56		MEAN WIND SPEED
N		15.0	14.7	4.5	. 0				···········			45.1	6.3
NNE	]	( • -	1.2	1.5								15.	7.0
NE	TT	. •	7.	• •									9.1
ENE	•	1.										3	4.7
•	T	•										•	4.2
134	•	•		<b>.</b>	•			•				1.	3.0
M		·	T	• = . <b>=</b> .=	•			• • • • • • • • • • • • • • • • • • • •				1.	10.5
358	I	•	·		 	•		•				j	
		•		•	<b>+</b>			•				4.5	9.6
SSW	I	•	İ	1.7	<b>.</b>	i •	· · ·	•		4		2.3	.7
sw	L	<b>.</b>	1.	• 7	•	• *	<b>L</b>					3.	14.4
wsw		ļ	1	i •	·	· 		•					2.0
w		· ·	<u> </u>	L	<u></u>			· · - · ·				+- <del>1</del> •5	4.5
WHW	<u> </u>	1.	 	ļ	•	<u> </u>	ļ	<b>.</b>				<u>ii</u>	4.5
NW		<u> </u>	ļ		•	ļ 		l		4	ļ		<u></u>
New	i •	3.5	1.	1.5	·	: 	· 	<u></u>			L	4.3	0.0
VAROL			 		<u> </u>				بلو مست دیا			L	
CALM	$\geq \leq$	$\geq \leq$				><	><	<u> </u> ><		$\geq <$	<u>&gt;</u> <	3.	
	1 .	33.1	21.3	11.3	2.3	• 6					 l	100.0	6.4

NAVAC ALANTON SERVER OF TACHMENT AMELIECEN

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

CLASS CLASS

	_				604	10:TION							
SPEED (KNTS) DIR.	1 - 3	4 · •	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	m •	MEAN WIND SPEED
N		1 . 6	13.7	2.6	. 7		<del></del>	+	<del></del>	·		47.5	7.
NNE	•	5.0	7.1	7.7	<del></del>		+	<del> </del>	·	···		17.4	7.
NE		•	2.	•		•	+	<del>•</del>	<u></u> -	•		+-5.1	7.
ENE	• 7		<del> </del>	<b>.</b>		•	<b></b>	<b>†</b>		·		1.4	3.
E	• 7		<del></del>	• <u>-</u>		#	+	<del>*</del> ·	<u></u> -	<b>+</b>		•	1.
ese	· · · · · · · · · · · · · · · · · · ·		† <del></del>			<del></del>	•	<del></del>	·	•		<b>+</b>	
SE	· <del></del>	-	<del></del>		•			+		•		•	ر فر شور
SSE			1			<u> </u>	+	•	†	<del></del> +		*	•
5	•	•	.7		. 7		<u> </u>	<b>•</b>	+···· — — — -	· · · ·		2.	' ኝ.
	<del></del>	1.5	<del>†</del>	7		7	•	<del></del>	· · · - · · · · ·	•		#- 2	1 7 .

TOTAL NUMBER OF OSSERVATIONS

WSW WNW NW VARSL CALM

100.5

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LL EATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	. 5	10.5	15.	3.4	• *		<del></del>		<del>!</del> :		<del></del>	7.7	7.2
NNE	•	7.1	- • 1	. 7	·							<u>.</u> 2	-5.T
NE	• .	1.	•									+•1	4 . 6
ENE												2.1	4.0
Ł		•				1							<u> </u>
ESE			·	•	•	T						•	5.
SE	•			•								7	12.5
SSE		·			1 		· · · · · ·	•	· • · · · · · · · · · · · · · · ·			•	3.3
\$		·	· 	•	•						· •- •		<u> </u>
SSW		•	·	1.0	• 7	• · · · · · · · · · · · · · · · · · · ·						2.5	13.1
sw		• •		·	·	L	·	•	·			1.	5.7
wsw	<u> </u>	· 		<b>-</b>	i •					_	•	• ]	17.5
_ w	·	<u>.</u>	•	·		· — — — — — — — — — — — — — — — — — — —						· · · · ·	<u> </u>
WNW		·	 		· +-	·	•	•	4 <del>.</del>			1.	3
NW	· •	?•	∔		+							4.1	4.6
NNW		4 • 1	2 • 4	1.7	<b>.</b>	·		•	! ••		•	11.7	2
VARBL			L				 		<b>.</b>			<b>.</b>	
CALM	><	><		$\geq \leq$		><	><			$\geq \leq$	$\geq <$		
	1.9	32.C	25.0	13.7	1.	1.		. 7			!	1:5.0	t . 4

TOTAL NUMBER OF OBSERVATIONS

ىك 2

NALACHATARA BARASA La Saratti NT Aret Galaci Ni

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	12.51, UM 4.		7 = 2				44.
41100	SHAN HOLFATS			 71	LARS	 	
		ALL .E	ATHE				ç
			LASS				HOURS IL S T
	<del> </del>		BITIOR	 			
				 , ,		 	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	}   41 - 47 	40 - 55	≥ 56	* . • 1	MEAN WIND SPEED
N	1.1	. · ·	21.5	9.	1.4				<del></del>		<del></del>	39.6	9.1
NNE	1.	٠.٠	G . U	5.0			1					21.2	- 1
NE	1.	4 .		1.4								7.	6.2
ENE	1.	• -	•	. 4								3.	5.3
ŧ	. • 1	1.1	• 11	1								2.	3.5
ese	•		• •									1.1	3.7
SI	• 1	• 4							I			1.4	2.3
sse	• 1	. 4	. 4									1.	3.6
5	:•1	• 4	• 7		1.1		·	: •	· 		•	3.2	3.8
ssw	•	• 1	1.1	. 4		• ,	•	1		1 L		2 • 4	11.9
sw	I			• 4	. 4	I 	<del></del>	i 		Ĺ	· •	. 7	14.5
wsw			•		• 4				1			. 7	13.0
w	•			. 4				l	Ī		1 4 ·	1.1	5.0
WNW					. 4		<u> </u>	·	ļ		·		20.0
NW		• •						l	<u> </u>	!	L	.4	6.0
NNW	• -	. 7	1.	2.2	. 7			·			·	5.4	10.6
VAROL										Ĺ	<u>.</u>		<u> </u>
CALM	$\geq \leq$	$>\!\!<$			$\geq \leq$	$\geq \leq$			$\geq \leq$	$\geq \leq$	> <	5.	-
	12.0	17.2	38.1	19.1	4.3	. 7						100.3	7.5

TOTAL NUMBER OF OSSERVATIONS

27

NATAL MEATHER SERVICE OF TACOMENT ASSESSED NO

# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

 A 1 5 115 1 . JAPAN.	₹ e : 1 2 YEARS	₩ A ½					
ALL SEATHE?							
CON	BITIOR						

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	1.1	3.	5.5	5.6	1.5	. 7						11.0	10.3
NNE	• •	E • 6	7.1	6.0	.7	<u> </u>	·	!		•		19.9	9.2
NE	•	7.4	2.	. 7	!			!				7.1	6.9
ENE	•	3.4	1.	i						•		6.0	5.6
ŧ	1.1	3.	1.1		• ·- ·-·-			1		1		6.0	5.3
ESE	•	• 7	1.					1				7.5	6.3
38	•	1.						;				2.5	5.6
SSE	• •	7.4	1	. 4								4 • 1	5.5
8	1.1	3.	3.7	3.	. 7	1.1			1			13.5	9.6
SSW		1.1	1.5	7.0	. 7	• 4						7.1	11.9
SW	•	• 4		. 4	. 4	. 4		. 4				2.2	16.2
wsw			•			. 4						1.1	12.0
w			•	i					i			. 4	5.0
WWW	• 4											• 4	3.0
NW	•				. 4				1			7	10.5
NNW	• "		•		• •	. 4						2.2	13.2
VARBL													i
CALM	><		$\geq <$	$\geq <$	$\geq <$		><		><	><	><	3.00	
	. 2	30.7	30.0	1 ' - 1	5.2	3.4		. 4				1000	5.7

TOTAL NUMBER OF OSSERVATIONS

267

SMO

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION HABE	* ] = 1.3	M <u>A</u>
	FLL EATHF	1 C MOVES IL S T
	CONSTITUTE	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	26 - 33	1 34 - 40	:   41 - 47 	44 - 55	≥54	i	MEAN WIND SPEED
N	• ,	1.	5.	4.3	. 7	i		1		<del>•</del>		13.3	9.6
HNE	•	2.2	2."	2.5	. 7	. 4						8.5	13.6
ME	• '	2.	1.4	1 . 4		i						6.1	6.8
ENE	• ,	1.1	1.			[						3.5	6.5
e	• ]	1.1	3.	Ī		<u> </u>						5.0	6.5
989	•	Z•'	2.	. 4					T	1		5.	5.6
SE	1.4	1.1	2.5									5.7	5.8
556	• -	2.	2.1	1.1								6.5	7.9
\$	•	1.2	7.	7.4	1.0	. 4		1				23.5	10.8
\$5W		1.1	4.7	4.	. 7	. 7			Ī			11.2	11.5
\$W		1.1	•	• 7	. 7	1.1		i		Ī		4.3	14.2
WSW	• •	. 7	1.1	• 7								2.9	7.0
w			•	1					1				10.5
WHW	• 1	Ĭ							I			. 4	3.0
NW	•		I	. 7	. 4				I			1	12.3
MMW	• •	• *	. 4	. 7	. 4				I			2.5	9.4
VARBL													I
CALM		$\triangleright <$	$\triangleright <$	$\supset <$	><	$\supset <$	$\supset <$		$\supset <$			•	
	•	21.4	37.1	25.9	c. 4	2.5						100.0	9.4

TOTAL NUMBER OF OSSERVATIONS

279

SMOS

NAVAL WEATHER DESCRIPTION OF THE ASSESSMENT OF THE SECOND

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	A TO LULY UK HA	73-52	₩ Ą±
97 A 7 1000	STATION NAME	YEAM	I WONTH
		ALL EATHER	1 F
		CORDITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥ 54	•	MEAN WIND SPEED
N	• •	4.3	F . K	7.5	.7			1				15.3	9.1
NNE		1 • ?	7.5	₹. ٢.	• 7					:		9.8	9.9
NE	•	2.4	1.4	1.7	. 3							5.3	8.3
EME	Ţ.	1.	1.7	• !		I	1			1.		4.2	6.5
E		7.	. 7	• 7								4.5	6.
ESE	1 •	7.1	•					Ĭ		1		5.0	4.9
SE		• 1		1						I		1.4	4 . 3
35E	I	• 1	• 7									1.7	4 . 6
3	• 1	* * *	7.7	1.7	1.	• -			1			19.9	7.7
35W		4.5	4	1.7	• 3							11.5	7.5
SW	1	2.1	2.	1.4			Ĭ					٤.4	7.2
wsw	1.	. 7	1 •	• 7								3 • °	5.
w	I	•		•_7		I					Ī		٥,
WHW	I	•		• 7								. 7	8 . 5
NW												• 7	4
NHW	•	1.	1.	. 7						i		4.2	7.5
VARBL									I				
CALM		$\supset <$	$\geq <$	><	><	><			$\supset <$	><		2.1	i
	11.	34.5	31.4	17.1	2.8	• 3						1.0.3	7.0

TOTAL NUMBER OF OSSERVATIONS

2 **- 7** 

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION STATION SAME

ALL SEATHER

COMMITTON

COMMITTON

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	: : 34 · 40 :	41 - 47	44	≥54		MEAN WIND SPEED
N	2.2	7.4	13.4	3.7	1.1						<del>+</del> -	78.3	0.1
NHE	1.	7.	4.	5.2							1	14.5	3.5
NE		1.1	3.	. 7	. 4					·		1 5.2	8 . 6
ENE	1.1	1.	1.5				•					4.	5.9
ŧ	1.1	2.	2.2				•- ·· - · <del>-</del>					5.5	₹ . 4
ESE	1.	1.5						:	·			3.0	3.5
\$4	• -	2.2	• 4									1 7.0	4.7
55E	• 7	• 7										10:	3.3
\$	. 4	1.	2.7	. 4	. 4			1				5.2	7.7
\$5W	1.	1.1	1.7	• 7	. 4					1		5.6	7.4
\$W	• "	1.5	1.1	. 4		• 4		1	Ī			3.7	8.7
wsw	• 7	1.1	_ • 7	. 4				1	•			3.€	5.9
W	• 4	. 7	• 12						I	1	1	1.	4.5
WNW	• 4		. 4					I	I		Ī		3.€
NW		• 4	• 4	. 4			I		I	[	I	1.1	\$ . D
New	1.	3.7	1.1	. 7	. 4			Ţ		1		7.4	6.7
VARM								I		I	T		
CALM	><	><	$\supset <$	><	><	><		$\supset <$	$\supset <$	><		5.6	
	1.	30.0	34.2	12.6	2.6	. 4			[		1	100.0	6.9

TOTAL NUMBER OF OSSERVATIONS

269

SMOS

NAVAL WEATHER SERVICE DETACHMENT ASHEVICLE NO

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	A ASST . JASAS	73-9:	мд≎
57 A T 1041	STATION NAME	YEARS	#047H
	<u></u>	ALL WEATHER	ALL
		CLASS	HOURS IL S T
		COMPLETION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54		MEAN WIND SPEED
N	•	•_*	12.3	* 1	• 3	• ?						31.1	£ • 1
HHE	1.	3.4	5.06	3.6	• 3	• 1				:		14.4	- 4
NE	•	2.3	₹.	1.0	• 1			L				6.3	7.0
ENE	•	1.7	1.2	• .								3.7	5.
E	•	1.0	1.1	• 1								3.5	5.4
ESE	•	1.7	•	• 1								2.7	5.
SE	•	• 1	•	Ì	• 1	• 1						2.2	5.0
\$\$£	•	1.1	• 1	• *								2.3	5 . 6
\$	•	2.4	7.7	2.1	• ĉ	• 3		• 1				9.0	9.
SSW	•	1.	1.	1.7	. 4	• 3						6.2	10.
SW	•	•	•	• •	• 3	• 3		• 1				3 • 2	10.
wsw	• '	• 4	• 6	• 3	• 1	• 1						1.4	7.0
w	• .	• ?	• .	• 2								• 4	5.
WWW	•	• .	• 1	• 1	• 1							. 7	5.
NW	• •	• 6	• 1	•.7	• 1							1.3	6.
NNW	1 • 2	2.	1.5	1.1	• 3	• 1				Ī		6.2	7.
VARSL													
CALM	$\searrow$	><	$\supset <$	$\triangleright <$	><	$>\!\!<$	><	><	> <	$>\!\!<$	$>\!\!<$	4.:	
	17.	, 7 · C	32.2	17.2	3.3	1.3		• 1				110.0	7.0

TOTAL NUMBER OF OSSERVATIONS

1942

MOS

.

\_\_\_\_

NAVAL WEATHER EFFICE DETACHMENT ASHEVIELE NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	27 / ST. USFAN	77-0	AP -
97A 7 404	STATION HAUS	76466	sen Tn
		ALL REATHER	<u>. ?</u>
		ELAM	MOURS L E 1
		COMPITION	-
		Comprison	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 54	<b>.</b>	MEAN WIND SPEED
N	1.4	13.7	1:.1	4.3								36.	7.1
NNE	• 7	5.0	₹•4	7.6								13.7	7.5
NE	1.4	3.5	7.7									7.2	5.4
ENE	• *	1.4					:			•		2.7	4.7
ŧ		1.	• 7			1		1			-	Ţ 3.Z	7.7
626								Ī				1	
M	•											1	1.0
\$54	• 7	•		• 7		i						Ţ ~ <b>?</b> ~?	7.7
3	7•2	3.6	2.2	2.0	. 7			! !	1			11.5	7.4
\$\$W	1.4	2.	2 . ?	3.6	.7	• 7	• 7			i .		12.2	11.0
sw	• 7	1.4	1.4	• 7			1					4.3	7.5
wsw		• 7							1			.7	6.0
w									1			T	
WNW		•											4.0
NW	1			• •								7	12.0
NWW		• ?		• 7		• 7						3 . €	10.2
VARM												I	
CALM	><	$\supset <$	><	><	> <	><	> <	><	$\geq \leq$		$\geq \leq$	3 • 6	
	1 1 1	3 . 1	22.3	17.3	1.4	1.4	. 7					100.0	6.9

MALAL MEATHER FOR LOCAL COMMENTATION OF THE COMMENT.

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	47 1. JE 45				7 - P							AP		
974 7 104			-						TEAGS				#8#T#	
					ALL	"EATHE							2 €	
						CLASS							MOURS (L S T	
						C04917108								
			_											
	32460		Ţ	Ī	į		1	1		ļ	1	1	MEAN	

SPEED (ENTS) DIR		i ' •••	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥ 56		MEAN WIND SPEED
N	<del>*</del>	17.	3.3	3 . 3			i				<del> </del>	35	5.6
1000		•	4.	2.6			1					14.	7.5
HE		1.	7.	• •								4.5	7.9
8948	Ŧ	•		I		1							4.
ŧ.	*		i	•			· · · · · · · · · · · · · · · · · · ·		1				2.
250	· .	· · ·	·	1 <b>•</b>	: •		: 		1	·	•	1.7	3.5
¥	•	<u>.</u>	T •	i	•					, <del></del>	·	. 7	2.5
946	I •	·	·	. 7	· •	<u> </u>	i •	<b></b>		<u> </u>	·	2.	€ • 3
	] '•	4	• -	. 7	2.5	İ		· •—-——	<u></u>	! •	·	7.3	8.0
15W	L • · ·	• • •		3.	• 7	2.6	<u> </u>			· •	•	7.	14.6
_\$W	•	• •	1.	<u> </u>	: 			· 		<u> </u>		2	) و و
WSW	1	<u></u>	<u></u>	ļ	· 	L	<u> </u>	· 	·	<b></b>	·	• 7	_ 5.
<u> </u>	ļ		ļ	<u> </u>	<b></b>	ļ				ļ	<b></b>	• 1	2.1
WHW	<u> </u>	· •		<del> </del>	<b></b>	<u> </u>	L	· 	ļ. ——	ļ. <u> </u>	<del></del>	<b>4</b> +	
NW	<b>1</b>	1 •		<del> </del>	i	<b></b>			·	· •	<del> </del>	1.7	4.
NAM	•	7.3	2.5	• 7	ļ	<b></b>				<u> </u>	<del> </del>	3 • •	5.8
VARM	<b>_</b>			<b></b>		ļ,	<b>_</b>	k	<b>_</b>		<b>4</b>	<b></b>	
CALM	><	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	> <	7.	
	1.	34.4	23.0	10.6	2.6	2.6			[	[		100.0	6.1

TOTAL NUMBER OF OSSERVATIONS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

eta tida	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17-3.	YEARS	AP =
•		ALL MEATHER		HOURS IL S T
		COMPT FOR		

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	]   <b>*</b>	MEAN WIND SPEED
N	.4	16.0	14.	3.2		. 4				•		39.0	6.5
MME	7.2	3.4	4.7	3.1	. 4					:		12.5	7.5
NE	. 7	1.1	• 7	. 7								3.2	6.6
ENE	1.1		• -	. 4								7.2	5.7
ŧ	1.1		1					<u> </u>			•	1.1	2.3
ESE	1 • 1										;	1.1	3.0
SE											i	I	
SSE					. 7				I			1.4	10.3
1	, Li	1.1	2 • 7	1.1	• 7							5.4	9.5
SSW	. 4	<u>.</u> u	1.1	1 • 1	• -	. 4	. 4	. 4				4.7	15.7
SW			• 7	. 4	. 4	. 4	i					2.2	12.7
wsw	1									l		I	
w			• 41									. 4	3.0
WHW		• 4	. 4					L				1.1	5.7
NW	1 -3	1.4								L	i <b></b>	4.	3.0
MMM	2	4.7	1.4	. 7	. 7							10.	5.
VARSL											L		1
CAUM		$\supset <$	><	><	><	><	$\geq <$	$\geq <$	$\geq <$	><		9.4	
	20.1	24.5	26.7	9.4	3.6	1.1	.4	. 4				1^0.C	6.5

TOTAL NUMBER OF OSSERVATIONS

NAVAL WEATHOR ETERLICE VETACHMENT ASHEVICEE NO

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

OTATION .	A TO 1. JOSES	7 1 _ C	A D :
		CLASS C	NOVAS +L S T
		CORPITION	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 32	34 - 40	41 - 47	48 - 55	≥54		MEAN WIND SPEED
N	1.	7.	0.4	۶.7	1.1	. 4	·					25.4	4.6
HHE	. 4	2.7	4.7	4.	1.1	1						11.3	8.5
NE	. 7	3.	7.	1.					Ĭ			10.7	<u>-</u> رَ
ENE	• 1	3.4	• -	1								5.3	5.1
ŧ		1.	. 4	. 4								3	4.4
ese	•								i			1.	3.8
SE		•	•									1.0	5 •
SSE	1 • 1	•	•	. 4		I						2.7	6.1
	•	1.1	1.	1.5	1.1	1.1						₹•	12.2
SSW	I	1.	1.	3 . /	1.5	I	· • -   ·		<u>.</u>			11.0	10.9
sw	<u> </u>	• -		1.1		• 4	. 4					3.3	12.4
MZM		· •				<u> </u>			<u>.                                    </u>				
w	• `		. 4	<u> </u>					i		—	1.1	4.7
WNW	Ĺ		•						Ĺ			<u> </u>	7.6
NW	<u>-</u>					. 4						1.1	9.1
NHW	·	. 4	1.1	. 4		L					L : :-	2.7	7.3
VARBL						L						<u> </u>	-
CALM	><	$\geq <$	$\geq \leq$	$>\!\!<$	><	><	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	3•*	
	1 .	20.4	25.4	23.5	4.0	7.7	. 4					1.0.0	£ . !

TOTAL NUMBER OF OSSERVATIONS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 A T 10m	174700 ALBE	7.5 - 4.7	APC
		ALL SEATHET	12
		CONSTITUTE	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N		•	3.4	6.7	. 7	. u		i	<del>•</del>	•		11.5	12.3
NNE	• 7	2.	2.7	3.7	. 4			i				9.7	9.1
NE	1.	1.	7.4									6.4	6.1
ENE	•	. 7	2.2	1.7							•	5.2	8.
ŧ	1.1	1.5	2.7					1	Ţ			4.5	5.8
ESE		1.1	1.					:				3.3	6.6
3.0	1.1	• 7		. 4								2.2	5.
358	• "_	2.2	2.4	1.1	• 7				I			7 • 1	9.
3	7	4.~	1 .1	₹ 7	3.	1.9						20.3	11.
SSW	. 4	1.	2.2	3.4	1.1	3.	. 7					12.7	14.
SW			• 14	1 • 1	. 7	1.1		1		1		3.4	18.
wsw		• 4	• 4					1				. 7	7.1
w	•			1					1			.4	3.
WNW	• 14									Ī		T	3.
HW		• •		. 4				I	1	I			7.
NWW				• 4				I	I		1	14	12.
VARM								I	I	I	Ī.	T	1
CALM		><		$\supset <$	><		><						
	7.1	1 4	31.1	29.0	5.7	4	.7					1.5.	10.0

TOTAL NUMBER OF OBSERVATIONS

SMOs

NAVAL WEATHER SERVICE SETACHMENT ASSENCE NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	STATION NAME	7.7 - 1.9 YEARS	дР.
	ILL of		1°.
_		ит фя	_

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	   22 - 27 	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	<u>.</u>	1.	3.1	(.7	. 4			1				12.7	11.0
NNE		• 7	2.5	2.	. 4							7.3	9.9
NE		•	1.1	1.1								2.5	7.6
PHE	7	•	1.1	•								2.2	3 .
ŧ	#	•	•	1.1		•—		i				5.5	<del>5</del> • 3
ESE	1	•	1.	. 4				!	ļ			2• <	7.4
SE	1	1.1	•	•								1.5	6.3
332		1.	1.			. 14		:				4.0	3 • 1
\$		. 4	. 7	18.5	5.1	1.5		i				34.2	13.4
SSW	•	1.	2.5	0.1	2.3	1.5	1.8					10.5	14.6
SW		1.1	•	. 4	1.1	• 7	.4					4.4	15.6
wsw	• •	. 7	<u> </u>	- 14				·		1	•	1.5	7.3
w		• !	•	<u> </u>	<del></del>								•
WHW	•			• 4	•——							• 7	- 5
NW			·	1						1			•
NWW	1	· · · · · · · · · · · · · · · · · · ·		. 1								1.1	14.0
VARBL	<b>1</b>	i	• · 	1				l					
CALM				><	><	><			><			•	
	-	10.	27.3	42.0	2.8	4.0	2.2					1 10.0	12.1

NAVA, WEALOUGH BURGE (4 TACOMES) ASSESSED FOR

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	; 34 - 40 ;	41 - 47	48 - 55	≥ 56	*	MEAN WIND SPEED
N	•	2.1	3.0	5.6	1.4	• 2					•	13.6	11.2
NNE		· •	7.4	2.4								5.4	7.7
NE	•	•	• 7	1.			1					2 •	3.1
ENE	•	1.	•	1.	:				Ţ			3.1	7.
E	•	1.4	2.1	• ₹		1		1	Ī			4 . 2	7.5
ESE	• `	• *	1.4	• 3								2.4	7.3
SE	•		1.	• 7			1		:	:		1.7	7.8
sse	• '	• 7	• 3	• 7			• 7		Ī			2.	3.0
\$		• C	13.4	11.1	2.2	• 7	• 7					* 34.5	10.6
55W	1 • •	2 • 1	3.	3.5	2.1	1.4	• 3	1	Ţ · · · ·			14.3	12.0
sw	•	1 . "	1.	2.4	1.4	1			Ţ	•		[ €•€	11.
wsw		• `		1.			i	•	· · · · · · · · · · · · · · · · · · ·			2.4	
w	•		•	ĺ								Ţ	5_•
WNW	•	•	•	• ?					Ī · · · · ·			1.4	5
NW			1	Ĭ				I	I			T	
HNW		•	I	1.	• !			L				T. T.	12.
VARBL									I	L	L		
CALM	><	><		><		><	$\geq <$					1.7	
	7	17.8	31.	31.4	4.1	2.1	1.0			i	 	1.0.1	15.

TOTAL NUMBER OF OBSERVATIONS

Action of the Community of the Action of the Community of

### SURFACE WINDS

\$ F -#0 N T P

. 1 HÕUŘE 14, 5 T

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

LLL EATH

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56	•	MEAN WIND SPEED
N	1.1	2.	4.1	7, , 7	1.5	. 4			<del></del>			17.	10.7
NNE		2.3	2.3	7.3			•	•				° . 4	7.8
NE	• :	•	1.	1.	. 4	•		<u>.                                    </u>				4.	9.8
ENE	<u> </u>	1.	· _ • :	. 4		<u>.</u>	•	• • — · · ·				3•=	5.4
	· · · · · · · · · · · · · · · · · · ·	1.	1.		•	•			• •			5.	4 • 5
ESE		· ·	: +	· • •		+		• = .	• • •		•	•	
SF	•	• •	••	·	·	· • ——————			••		•	. 1.	4 . 5
SSE	ļ• <u>.</u> .	•	•		• 4	L					•	<del>? • 3</del>	5.2
<b>S</b>	• 1	•	+ 4.	4.7		•		• -	• · · · • =			+ 1번•글	8.3
SSW	1 •	• - <del></del> -	1 5	•	1.5	101	•		+ +-			13.7	12.1
SW	·	•			• 4	<del></del>		•	• •			*	3 • 1
wsw	<del> </del>	• •	. <u> </u>			<u> </u>	-	·	•			4 1 • · ·	· 元·4 元 宋
<b></b>	<del> </del>	·	<b>.</b>	<u> </u>	·	<del>}</del>		<b></b>	•		•	•	. 4 <u>.</u> 2
WNW	• .	<del> </del> <del></del>	<b>+</b>			•		+	·		•	· †*	
NW		<u> </u>	7.7	1.7		+	+	•	· · · · · · · · · · · · · · · · · · ·		• •	. 5.1 4	
VARBL	∯ · <del>•</del> •• • •	•	• - i. <b>-</b> i .	•		<del> </del>	·	• -	•		•		• 1
			$\forall $					<b>!</b> <://>	<b>—</b>	J.	<b>~</b> . : : : :	# 6.º-	
CALM						$\sim$				·~:	»	***************************************	
	1	24.3	26.7	1	4.9	2.3	• 6					1	· • 1

TOTAL NUMBER OF OBSERVATIONS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

FLL SEATHER ALL

SPEED (ENTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
- N		• !	7.7	5.5	. 7	• *	<b></b>		<del> </del>	+		72.0	3.€
NNE	1.	7.		7.	. 3					•		10.7	8.3
NE		1.	1.	1.	• 1			!				5-1	7.4
ENE		1.1	•	• ′								3.3	6.6
ŧ		1.1	1.2	• 3		!		i				1	5.5
ese	•		• "	• 1					1	:		1.	6.5
SE	•	•	. 14	• 1	i		· · · · · · · · · · · · · · · · · · ·			,		1	5.6
SSE	•	• [	•	٠.	• 3	• 1	• 1			1		3.2	3.4
\$		7.7	4.1	1 1.		•	• 1		1	1		73.3	11.5
\$5W	1.	1.	2.4	3.	1.5	1.4	• 5	• 1				12.4	13.2
sw	• 4	•	• •	• ^	• 6	•	• 1	·	1			4.1	11.9
wsw		•		• 7	• 1	1	I			T		1.7	f • 1
W	•	• :	• `										4.7
WHW	•		•	• 1		1	1					• :	5.6
NW	• 7		I	• }		• !			1			1.3	4.5
NNW	•	1.		• "	• 2	• 1						4 • 2	7.7
VARBL									L				ļ
CALM					> <	><			$\geq$			4.4	
	1 .	22.	27.7	24.2	5.7	2.0	• a	• 1				1 0.5	2.9

TOTAL NUMBER OF OBSERVATIONS

10 MA, AC WEATMEN CARRY OF THE CONTROL OF THE CONTR

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	1. Usera"	77+37		<b>₩</b> A ♥
8747104	STATION NAME		YEARS	-
		ALL -EATHE?		r 🖰
		CLASS		MOURS +1 5 T
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥ 56	]	MEAN WIND SPEED
N	ч.	5.4	6.9	2.6					:			23.0	6 . 5
NNE		1.3	3.5			1	1					8.6	5.
HE		1.3	• ,			•						2.5	5 . 9
ENE	1											I	
E	• 1	1.:		1				i				4.5	3.
tst	• '								<del></del>			• *	1.0
SF	• 7		ļ					1				. 7	2.0
\$58	I	1.	ĺ	1.						}		2.5	6.
\$	. •	3.3	₹.	5.0					T	·		15.9	8.
SSW	1.	2.	2.	• 7	• 7				1			6.5	7.
5W	~ ·	2.				i	i ——	1		i		4.5	3.
wsw		<u> </u>	1				Ī	!	1	i		I	[
w	• 17						I		1			.,	1.
WNW	• '	2.							i			2.5	4.
NW	• :			. 7			Ī		1			1.3	7.
NHW	1.	2.4		. 7	1.3				I	<u> </u>		5.^	8.
VARM									I			I	
CALM	><	$\supset <$	><	$\supset <$	><	><	$\supset <$	><		><	><	19.7	
	22.4	23.0	21.1	11.8	2.0							100.0	5.

TOTAL NUMBER OF OSSERVATIONS

152

SMOS

.

2

NAVAL MEATOR OF A COVER DETACHMENT ASHEN ALLE NO

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TAYON ALAS YEARS WAY

STATION ALAS YEARS

CARDITOR

CARDITOR

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	31 - 1 <b>6</b>	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	40 - 55	≥ 56	*	MEAN WIND SPEED
N	•	14.1	7.9	3.7	. 6					<del>                                     </del>		23.7	6.1
NNE	4.	2.1	- 1	• £								11.0	5.0
NE		1.	• *									3.1	5.2
ENE	•	• "										1.2	3.7
ŧ				1	• · · · · · · - · · · - · · · · · · · ·	i					!	1	
ese													Ī
SE		• *										1.2	3.0
552	•	• 1	1.2					1	I			2.	6.3
\$			1.	7.7								5.5	11.1
35W	•	2.	1.5	• 6	1.2	• 4,			I .	i		7.4	10.3
SW		1.										1.0	5.5
WSW				I								. 6	2.0
w			•	Ī .								• 6	7.0
WNW	1.				·							1 •	1.7
NW	. 2	4.3		. +								6 • 1	5.3
HHW	1.	1 • :	2.5									€ • 1	5.3
VARSL													
CALM		><	><	><	$\geq <$	><	><	><	><	><	><	17.7	
	72.1	30.7	19.4	9.2	1.8	• 6						1 '0.0	5.2

TOTAL NUMBER OF OSSERVATIONS

163

SMOS

NAVAL WEATHER SERVICE OF TACHMENT ASHEVILLE, NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

• •	4 15 151, JAPA1	73= F 2		YAY
BTATION	STATION NAME		YEARS	#PRTH
		ALL EATHER		HOURE IL 6 Y
		COMDITION		
	<del></del>			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	 	≥ 54		MEAN WIND SPEED
N	11.	16.5	7.4	3.5	1.1					:		40.4	5.8
NNE	u .	7.2	3.2	• 4	. 4		1					12.t	5.6
NE	• 1	2.1	• 7									3.9	4.4
ENE					!								
ŧ						· · · · · · · · · · · · · · · · · · ·		1					
ese	• 1							i				• 4	1.0
SE	1	• •					I			1 _		1 .4	5.0
55E		• .,	<b>4</b>	. 4								1.1	8.0
8	1 - 1	2.	1.1	1.4	1.1							7.4	9.6
SSW		• '	• 7	2.1	. 4	. 4						4.2	12.8
\$W	I	. 4	• 7			• 4		I			,	1.4	11.3
WSW	• 7	• 7	. 4								1	1.5	3.€
w	• 7		I	. 4						Ĭ		1.1	5 • 3
WWW		• 4						I	I			2.1	2.5
NW	• 1	. 4	. 7	. 4								2.5	6.1
NHW		4.	1.1	.4				I		I	I	9.1	4.5
VAROL	I	Ī	I						I	<u> </u>		I	i
CALM	$\supset <$	$\supset <$	><	><	><	$\supset <$				><	><	11.5	i
	2 - 3	33.3	16.1	8.8	2.8	. 7						100.0	5.4

TOTAL NUMBER OF OSSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVELLE, NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		• • • • • • • • • • • • • • • • • • • •											
					ALL E								···•
	_				•	LASS						****	15 ( S 7
	_				CON	DITION			······································				
SPEED												l e	MEA
(KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	i	SPEED
N	. • "	€.7	5.1	4.3	. 4							18.8	7.0
NNE	?••	7.7	5.1	3 . E	1		1					13.7	8.1
NE	1.2	1.5	2.7	. 4		1						7.8	6.
ENE		2	• 4	. u	!		!					3.1	6.4
E		1.2						1				1.2	5.0
ese	•	•	. 4									1.5	4 . 5
SE	:•2	. 4	. 4									2.0	3.5
SSE	1.		. 4									2.7	3.
3	4.3	4.7	5.2	4.3	2.							23.5	8.
SSW	• •	1.6	7.7	3.5	. 4							8.6	10.1
\$W	, u		• 3				Ī	I				1.2	5.
wsw												. 4	9.0
w	• •	•										1.2	3.7
WHW	• 1-											. 4	2.0
NW	: • ?	L	, ų	. 4		. 4	L					2.4	8.0
HHW		• ′	• 0	1.2								2.7	9.0
VARBL													
CALM	><	$\geq <$	$\supset <$	><				$\supset <$	$\geq <$	$\supset <$	> <	8.6	
		16 1	27 0	10 0	2.7	,						1.00	7 /

TOTAL NUMBER OF OSSERVATIONS

2 ° 5

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATSUCI, JAPAN	73-32	MAY
BOITATE	STATION HAMR	YEARS	WORTH
		ALL FEATHES	1;
		CLASS	HOVES (L S T
			_
		COMPLYION	_

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54		MEAN WIND SPEED
N	•	2.*	1.9	4.1		• 7	:	<del> </del>			<del></del>	9.7	10.1
NNE	•	2 • 1	7.2	• 7	. 7							7.5	7.7
NE		: 1.1	2.7	1.5	. 4						i	5.4	9.5
ENE		1.4	1.4	. 4								3.6	7.0
ŧ	•	1.4	1.1	. 7								3.5	7.0
ESE	1.1	2.	1.1	. 4					!		1	5.4	5.3
\$2		1.4	1.4					· · · · · · · · · · · · · · · · · · ·			• :	2.9	6.5
556	• •	1.1	3.2	. 7	. 7							6.1	9.4
5	• 1,	4.7	11.0	14.4	4.3	. 4		:	1			36.	11.6
SSW		1.4	4.7	4.7	2.2	. 4					i	13.3	12.2
sw	• 4	1.1	•4	. 4				1			· · · · · · · · · · · · · · · · · · ·	2.2	7.0
wsw		• 7	•							1		1.1	6.2
w	• "								1	i	i	• 4	2.5
WWW			<u> </u>										·
NW									1				
NNW		• -	• 4	. 4						 		1.1	8.7
VARBL			1						1	1		Ī	<u> </u>
CALM			$\supset <$	$\supset <$		> <		><	> <	><	><	1.4	
	4.7	22.7	33.1	29.4	8.3	1.4						170.0	9.8

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BYATION	574700 SABE	1 5 = 0 C	MAY
	ALL · E	ATHE"	NOURS (L S T
	com	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		1.1	1.4	1.2	1.1			1			i	5.3	11.4
NNE		7•1	1.	. 4	. 7					1	1	5.,	8.6
NE	• •	1.1	.4	• 7	. 4							2.5	8.6
ENE	• ,	• 1	. 4	1.1			1					2.5	7.4
ŧ		1.1	2.	.7	. 4					i	1 .	5.	۶.1
282			•	1.1				1				1.00	11.4
3.6		1.	2.5								1	3.7	6.6
348	• -	1.1	1.1	. 4				i			!	2 • 6	6.5
8	Ī	3.	11.	24.1	3.5	Ī		1				47.5	12.9
SSW	!	•	6.	6.0	1.9	• 7	. 7					16.0	12.6
sw	[	. 4	.7	1.5		. 4						3.2	12.6
WSW		1.1		. 4								2.1	5.5
w	Ī	• 7	Ī									. 7	4.5
WNW									Ī			II .	
NW			• •			[						- 4	5.0
MW				1.1						1		1.1	12.7
VARBL	1	<u> </u>	1	1		I							
CALM	><	$\times$	> <		> <	$\supset <$	><	> <	> <	><	><		
	3.1	14.	29.1	30.4	12.8	1.1	.7					170.0	11.4

TOTAL NUMBER OF OSSERVATIONS

292

MOS

NAVAL WEATHER REPORT DETACHMENT ASHEVILLE, NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATACSI. JAFA.	73-92	<b>₩ A ∀</b>
27471 <b>0</b> 0	STATION NAME	(CAM)	MONTH
		ALL REATHER	1 =
		CLAMO	MOURS IL S T
		CORDITION	

SPEED (KMTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	•	4.4	1.7	2.	.7			i				9.2	3.5
NNE	•	• '	1.7				1					2.0	ა • 2
NE		• `	1.0	1.7								2.7	8.6
ENE		•	1.4				,					1.7	7.8
E	•	2 • "	1.7	1.7								6.1	8.1
ESE		1.	• 7	• 3								2.4	7.0
3.6	•	• 7	1.0				1					2.	5.3
SSE	• 7	• 7	2.	• 7								4.1	7.3
\$		•	14.7	15.4	2.7	• 7						41.6	10.2
55W	1.	2.4	6.	6.5	1.7	• 3						15.1	10.2
sw		•	1.4	1								2.7	9.4
WW	:•			• *		• 7						1.7	9.6
w	• 7	1.										1.7	4.4
WWW												Ī	
NW		•			• 7							.7	11.0
NWW	•	• 3	• 7	.7								2	3.8
VARM			1			<u> </u>		Ī		1			
CALM	> <	> <	><		><	><		><	$\sim$		><	1.0	
	5,	24.2	33.3	29.7	4.8	1.0						170.0	4.2

TOTAL	NUMBER	01	OBSERVATIONS	﴾ ر	, .	1

NAVAL MEATHER APATE OFTACHMENT ASHEVILLE, NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	2 5 7 5 1 , U.S. 5 0.	TEAS	V A P				
	ALL VEATHER						
	COS	PITIOS					

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 33	34 - 40	41 - 47	40 - 55	≥ 54		MEAN WIND SPEED
N	7	3.3	4.	7.3				i	<u> </u>	:		14.2	7.0
NNE	• •	2.2	2.7	1.5	. 4					•		7.3	8.7
NE	• 7	1.	• 7									2.7	5.5
ENE	• '	• 7	. ta							1		1.2	4.4
ŧ	1.2	1.5		. 4								4.3	4.1
ESE	• 7	1.	• 7	. 4				Ι		1		3.	5.0
54	• :-	• li					1					. 7	3.0
\$\$£	• 4	***	. 4	1.1								5.1	5.5
\$	2.5	•	11.3	5 • 1	1.1							28.0	8 • C
5\$W	1 • 1	4.	2 • c	4.7	. 7							12.7	9.0
sw	1.1	• 7	• 7	1.1								3.6	7.1
wsw	. 1	. 4										• ?	4 . C
W	• 1											1.1	1.3
WHW	• 7											. 7	2.0
NW	• 1	• 7		. 4				L				1.	5.0
HHW	• 7	1.5	• 7	1.8								5.1	5.1
VARM													
CALM	$\triangleright \!\! <$	><	><	><	><	><	$\geq \leq$	$\geq <$	$\triangleright <$	><		6.4	
	17.5	2 6	24.7	18.9	2.2							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

2

NAVAL WEATHER SERVEGE DETACHMENT ASHEVIELE, NO

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION STATION WARE STATION WARE STATION WARE STATION WARE STATION WARE STATION WARE STATION WARE STATION WARE STATION WARE STATION WAS STATION WARE STATION WAS STATION WARE STATION WAS

SPEED (ENTS) :4R.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	, i <b>34 - 40</b> -	41 - 47	40 - 55	≥ 56		MEAN WIND SPEED
N	•	5.5	4.7	7.1	• 5	• 1	!					18.2	7.0
NNE	:•	2.3	2.	٠,	• 3	1	1					8 . 3	7.0
NE	• ·	1.	1.2	• t	• 1	1		1				4.5	6.9
ENE	• 7	•	• 5	. 7								1.9	€.5
E	•	1.1	• *		• 1	[		i				3 • 2	6.8
ESE	• •	1.	• *	. ₹		[		Ī				2.1	6.2
3.0	• •	• 7	• :				1					1.5	5.6
386	•	1.2	1.3	• *	• 1				1			3.5	7.3
8	1.07	4.	F . 6	7.9	5.5	• 1						27.6	10.5
SSW	•	1.	7.	3 • c	1.1	. 7	• 1					11.4	10.8
sw	•	• 7	• '	• 6		• 1	Ī	I				2.5	8.1
wsw	•	. 4	• ~	• 1		• 1						1.2	€.0
w	•	, L	• 1	• 1					1			1.0	3.5
WWW	•	• `						I	T			• 0	2.9
NW	• *	•	• `	• 3	• 1	• 1						1.7	6.5
NNW	• ',	1.	• •	• A	• 1							3.0	7.0
VAROL												1	
CALM			$\supset <$		> <		$\supset <$	$\supset <$	$\supset <$	$\supset <$	><	7.1	
	1 .	25.5	26.2	21.8	5.D	. 7	• 1					100.0	7.8

TOTAL NUMBER OF OSSERVATIONS

1993

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NAVAE WEATHOR LEGISLE OVER LEGISLE ASSETS ASSETTS ASSETT ASSETTS ASSETT

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	LITTE TT, JAPA.	16-4.	YEARS	JUN.
	<u>_</u>	LL EATHE!		HOVER (L S T
	**************************************	COMBITION		

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	. 41 - 47	40 - 55	≥ 56		MEAN WIND SPEED
N	7.	•	5.	. 1.			<del></del>		1			20.5	6.1
NNE	· .	3.5	• ′					1		•		5.7	4.5
NE	2.4	?•	• 6			<u> </u>		:		•		5	3.7
ENE		1.								•		1.5	5.5
£		1.2	• •			!			1	<del></del>		1.5	5.7
136	•	1.7					• • • • • • • • • • • • • • • • • • • •					1.	3.3
SE	• 2		• ·	!								1.	4.5
556			•				!		ļ			• 6	9.0
\$	3.	7.6	1 .0	2.4	.6			1				74.1	7.1
55W	1.2	1.	1.	4.1	• t.		!					9.4	10.3
SW		•	1.2				1			1		1.3	7.5
wsw										1		• -	2.0
w	1.2	<u> </u>						1			<del></del>	1.2	2.0
WNW					!							• 4	1.0
NW		1.	• -					1				2.	4.8
NNW		1.2	•	• €						-		2.4	7.5
VARBL	I								1			Ī	
CALM		> <	> <		> <	><	><		><	><	><	17.1	
	14.	32.4	25.3	7.6	1.2							110.0	5.3

TOTAL NUMBER OF DESERVATIONS 170

NATA, WEATHER THINKS CETACHMENT ADDENDED NO

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

 11/ 12, JAFAI.	
ALL FEATHER	HOUSE ILE T
CONSITION	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	. •	MEAN WIND SPEED
N	•	1	7.1		• 4							29.1	5.5
NNE		7.	•	i		1						13.	3.3
NE	1.2	7.	• 1									4	4 . 5
ENE		1 • ?				1						3.	4 • 2
ŧ	1	•						1				1.2	3.0
ESE	•									1		1 ••	3.0
SE	•	1.7		Ĭ .								1.	4.5
358	1.	1.		1		1						3 • *	4.
5		2.4	4.	2.4		Ĺ		i				11.5	7.4
ssw	i •	1.2	1.	3.		L			I	· · · · · · · · · · · · · · · · · · ·		7.7	8.5
sw		i	•		i	•		I	I			1.2	1
wsw	•	<u> </u>						•		1		1	2.0
w	• 7								Ì			1.2	2.
WNW	· ·	• 4.											2.2
NW	' •	1.3								] i			3.6
NNW	•	• *	1.	• 6								· ·	
VARBL								L					
CALM		><				><	><		$\triangleright <$		><	1 :0.7	
	/1.3	31.0	20.2	6.0	. 6	• 5						1.0.0	5.0

TOTAL NUMBER OF OSSERVATIONS

166

SMOS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

BTATION	1 p. 1. JAPA:	VEARL	J ∪ N HTROW
	APT YERLING	·	HOURS LST
	COMPITION		

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 ::7	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N	. 7	17.5	* o F	3.2				1		<del>*</del>		79.2	5.4
HHE	• .	• 1	7.0	. 4								12.3	5 . €
NE	1.	1.4		. 4				(				4.7	4 . 6
ENE	1.1	•	•									2	3.7
1		•	1					L				* .7	5.5
ESE	• 4	• 7										1.1	4.0
SE		. 7			,					:	· · · · · · · · · · · · · · · · · · ·	1.	4.5
354	• •											4	3.
8		1.1	1,4	2.2	. 7	. 4			•			7.4	9.5
SSW	1.1	1.	-	1.1	. 4			1					7.5
SW	•		• 7	• 4				1				2.2	6.5
WSW		• •						I				• 4	_ 4 • €
w	1.1	1						γ · 1				1.1	2.3
WWW	•	• •						<u> </u>				1.1	3 . 3
NW	• 1		Ī				1	· ·				1.1	1.7
MNW	?∙	1.4	7.2	1.1				1			i	₹.6	6.5
VARBL			1							i	<u> </u>		
CALM		><	><	><	><							10.	
	2 . 2	33.2	20.1	9.6	1.1	. 4						1.8.0	5 . 2

TOTAL NUMBER OF OBSERVATIONS 278

SMO:

2

TANGAG WENTHING GROUPS OF TANKSTEET ATTRICKET IN

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TOTAL NUMBER OF OBSERVATION

SMOS

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS) FOR ALSUGI JAPANIU) HAVAL OCEANOGRAPHY COMMAND DETACHMENT ASHEVILLE NC. MAR 85 2/4 AD A151 677 F/G 4/2 Νl INDICATE A FILED

1·0 2· 2·3 1·1 2·2 2·2 1·2 2·2 2·2 1·8

ŀ ,

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...

NAVAL WEATHER DERVICE DETACHMENT ASHEVILLE, NO

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	. 51.	JAP					73-82						j	lU <b>N</b>
167104			PATE							TEARS				004TH
						ALL WE	ATHER							17
						C	1406						1100	16 (C 6 T
		-				CON	DITION.							
		_					<del></del>							
		<b>,</b>	1	Τ						,	<del>,</del>		1	<del></del>
	SPEED (ENTS) DIR,	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	•	MEAN WIND SPEED
	N	• 7	2.9	4.	4.0	. 4							12.1	8.9
	MME	•	5.1	2.7									8.1	5.6
	ME	1.1	2.2	2.0	. 4								6.6	6.5
	BHE	• 7	1.5	2.,									5.1	6.4
		.4	2.5	1.1									4.0	6.0
	ese	1.1	. 4	1.5									2.9	5.9
	\$4		1.1	1.1						1			2.2	5.8
	SSE	1.	3.3	1.5	. 4								7.0	5.6
		2.5	5.1	11.7	9.5	2.2	. 4	. 4		1			71.9	10.0
		. 7	1.1	4.	2.9	5.5				1	1		14.3	12.7

					2.9	5.9
					2.2	5.8
					7.0	5.6
4	. 4				71.9	10.0
					14.3	12.7
4					3.3	9.0
					• 4	2.0
					1 • B	10.5
	$\sim$	$\sim$		$\sim$	. 4	
>						
7	. 4		<u>l</u>		170.0	8.7

273

WW WNW NNW VARM

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	CONTRACT JAFAN	13-62	J <i>U</i> V
874 T100	574100 NAM5	YEARS	0007#
		. WEATHER	15
		CLASS	BOURS IL S T
		Ç <b>0110</b> +7+\$q	

SPEED (KNTS) DIR.	1 . 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥54		MEAN WIND SPEED
N	1.1	2.	4.7	1.8							i	9.8	7.6
NNE		1.	1.1	1.4								4.2	9 • 2
ME		• 7	• 7	. 7								2 . 6	6.9
EME	I • 7	1 . 4.	2.	. 4			I					5.3	7.2
ŧ	•	1.4	2.1	1.4								5.3	8.3
886	I •	. 4	2.5						I			3 • 2	7.2
34		• (	1.1	. 4					L			1.5	8.2
\$4E	I	7 • 1	1.	1.4					L			5. T	8.1
8	1 - 1	2.	13.7	16.5	2.9	1.4						38.3	11.4
35W	1	1.1	4.2	7.7	. 7	. 7			Ì			15.1	11.4
\$W		• 7	2.5	1.1	1.4							5.6	11.1
WSW			•	. 4								1.1	11.0
w												1	
WHW		Ĺ					L	L				L	l
NW	I			L					L				<u> </u>
MMM	I		1 • 1	. 4	• 4							1.8	12.2
VARBL										l	L	1	
CALM	> <	$\geq <$	$\geq <$	$>\!\!<$	><	$>\!\!<$	$\geq <$	$\geq <$	$\geq \leq$	><	$\geq \leq$	• 7	
	4	17.4	38.2	33.3	5.3	2 - 1						100.0	9.9

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

* * ;	ATSEST, JAPAN	73-A2	JUL
\$7471 <b>0</b> 4	STATION MARC	YEAR	#ORT#
		ALL JEATHER	1.6
	<del></del>	COMENT (IN)	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	24 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N	• •	3.7	7.7	1.4	. 4							8 • 5	7.8
MME	• •	2.;	1.9	• 7								5.3	7.4
NE	• 4		1.1	. 4								1.8	7.8
3149	• 4	.7	1.0	.4				ļ ——		1	<del>                                     </del>	3.2	7.3
	1.4	2.1	2.7			1		<u> </u>				6.4	5.8
gse .	1.1	• 7	1.1							1		2.8	5.0
98	i	1.1	1.1				1	1	1	<del></del>		2.1	6.2
900	• -	. 4	.7					1				1.4	5.8
3	1.1	7.5	16.	13.5	1.8	.4				<u> </u>	1	41.3	9.8
\$\$W	1.4	2.	7.8	3.6	. 4	1.4		1				17.4	9.5
sw.	• ,	1.4	. 4	1.1	.7							4.3	9.2
WW		• 4	.4					1				• •	6.0
w		• 7									1	.7	4.0
WWW		. 4	Ī			1		1	1			- 4	5.0
NW	. 4										1	.4	3.0
1000			. 4	.7				1		1		1.1	11.3
VARIOL								<u> </u>		<u> </u>			
CALM	$\times$	> <	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	> <	2.1	
	7.8	24.	3 . 4	21.7	3.2	1.8						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

**30MB** 

NAVAL WEATHER SERVICE OF TACHMENT ASHEVILLE NO

### SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

•	A STOLL JAPAN	73-92	Jun
974 74 <b>94</b>	\$747## BABE	YEARS	WOMTS.
		ALL PEATHER	21
		CLASS	MOUTE (L S T
	-	CORDATAGO	

SPEED (KNTS) DIR.	1.3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥#	*	MEAN WIND SPEED
N	.1	4 . 2	2.4	1.7								10.5	6.6
HAME	`•	2 • 1	3. "	1.7								10.5	6.4
ME	1.	1.7	1.9	• 7			[					4.7	6.3
ENE	1.7	2.4	• *									4.9	4.5
ŧ	• 1	7.1	1.4									5.6	4.9
ese	• 5	1.4					1					1.7	4.6
\$1	.,	1.										1.7	3.4
344	1.7	1.7		.7								4.2	4.8
8	4.7	2.4	1-1	3.0	1.0							27.6	7.5
58W	7.5	2.1	3.5	2.4	• 7				1			11.5	8.0
sw	1.4	1.~	• 7	1."								4.2	7.4
WW	1.	• 7		• 3								2.1	5.2
w		• 7										• 3	4.0
WNW													
NW	1		.7									2.1	4.0
HOW	• 7		1.7	• 3								2.1	5.7
YARR		I	I								·	1	
CALM	$\supset <$	$\supset <$	$\supset <$	$\supset <$	> <	$\supset <$	$\supset <$	><	$\supset <$	><	> <	5.0	
	24.1	27.4	25.¢	12.9	1.7							170.0	6.2

2.6

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NAVAL WEATHER SERVICE OFTACHMENT ASHEVILLE, NO

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

- 111	ATSULT. JAPAN	73-97	JUN
9741000	STATION NAME	TLAME	60078
		ALL REATHER	ALL
		CLADO	MOUNT (L & T
		C9/8917 (69)	

SPEED (KNTS) DIR.	1 - 3	4.0	7 - 10	17 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAM WIND SPEED
N	3.3	6.	5.6	2.2	•2							18.1	6.5
NHE	1.7	3.7	3.4	.7								9.7	6.1
NE	1.2	1.	1.5	. 4							i	4.7	5.4
INE	1.1	1.5	1.5	. 7								4.2	5.4
	7	1.6	1.1	• 2							1	3.5	5.
ese	• 7	• 5	• 3									2.0	5.
56	• 4	٠٤	• ž.	•1				i				1.5	5.3
884	1.	1.2	. 7	. 4								3.2	5.6
\$	2.7	5.	0.3	7.2	1.5	. 4	• 1	Ī.				26.0	9.1
SPW	1.2	1.7	3.4	3.4	1.2	. 3						11.2	10.2
\$W	•	• 9	• 2	• 7	. 4	. 1						3.0	8.1
WW	٠٠	• 3	• 2	• 1								1.0	5.
w	• 4	• 2										• 5	2.7
WHW	•	• 2						I				• 5	2.5
NW	• 7	• 3	• ?									1.1	3.6
MW	•	•	1.3	• 6	• 2							3.2	7.1
VAROL													
CALM	><	><	$\supset <$	$\times$	> <	><	$\geq \leq$	$\geq <$	$>\!\!<$	$>\!\!<$	><	5.7	
	17.5	21.06	30.1	15.9	3.4	۰ ۵	•1					100.0	7.1

TOTAL HUMBER OF CREEKYATIONS

2000

MOS

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NAVAL WEATHER SERVICE OFTACHMENT ASHEVILLE, NO

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-82 CC ALL MEATHER

SPEED (ENTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 35	≥#	*	MEAN WIND SPEED
N	4.0	* • 9	3.4	• 6								17.8	5.3
10002	• • 1	2.3	1.7									5.2	5.2
ME	1.1	3.4	• 5			1						5 • ?	4.9
EME		•										• 5	4.0
e	. 3	1.7	• 5			1						4.6	4.1
282	1.7	• 6										2.3	2.5
54	:.1	1.1										2.3	3 • C
\$9E	1.7	2.3										4.7	3.9
8	6.7	5.7	7.5	1.7	• 6							22.4	6.1
\$9W	1.1	2.3	1.7	2.9		Ī						8.0	7.9
\$W	2.3		. 6			1						2.9	3.4
WW		1											
w													
WNW	•											.6	2.0
NW	• 4		• 6									1.1	4.5
New	1.7	1.1	•6									3.4	3.7
VARM												1	
CALM	> <	$\supset <$	> <	$\supset <$	> <	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset \subset$	> <	19.5	
	24.4	51.0	17.2	5.2	.6							10.0	4.2

TOTAL HUMBER OF DESERVATIONS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

, ₹	PISCOI, JAFAN	7 <b>7-</b> 82	JUL
8747100	STATION MARK	71	Add
		ALL REATHER	03
		CLASS.	HOURS (L S T
		COMPITION	

SPEED (ENTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N	4.7	11.7	4.7							<del>                                     </del>		20.e	5.1
NNE	2.4	5.3	.6									3.2	4.6
HE	2.4	2.^										5.3	3.7
EME	1.	• !				Ī						2.4	2.8
ŧ	1.											1.	1.7
ese	1.2					T						1.2	2.5
SE	1.2	• 1				Γ		I				1.6	2.7
356	•	• 5				Ι						1.2	4.5
\$	5.	4.7	2.4	1 • 1								14.7	5.1
SØW	1	1.5	2.9	1 • P								8.2	7.6
\$W	• /					I						• 5	3.0
WW		• *				Ī						1.2	3.5
w	1.?											1 . 2	1.5
WHW													2.0
NW	1.2	• '								I		1.3	2.7
NNW	1.	2. 7		• 6		Ī						5.3	4.7
YAROL						L							
CALM	><	$\supset \subset$	><	$>\!\!<$	$\supset <$	><	><	><	$\triangleright <$	$>\!\!<$	><	24.1	
	23.4	31	10.5	4.1				{	[			1.0.3	3.6

TOTAL NUMBER OF DESERVATIONS

170

MACE

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATSUSI, JAHAN	13+92		JUL
STATION	SYATION NAME	8	TEAMS	Neut#
		ALL WEATHER		36
		₹(ASS		MOURE IL S T
		COMSITION		

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	•	MEAN WIND SPEED
N	1.5	11.6	4.1	1.								26.4	4.6
MME	٤.	F . 5	2.1	. 3								14.7	4.3
ME	1.	2.1										3 . ~	3.7
BME	1.	• 7	{	• 7								2.7	4.4
ŧ	• •	• 3										1.0	2.7
£2£													1
SE .	• 7						1					•	2.0
384	• 7		•	1								1.7	3.7
5	7. *	1.4	2.1	2.1								8 . 2	6.7
SSW	1.1	2.4	1.	2.1	• 3							7.5	6.9
sw	• '	. 3	• 7	.3	.7	1	<u> </u>					2.1	11.2
WW		i	<del> </del>	1			1		1				
w	1.		• *	<u> </u>		<b>†</b>	<u> </u>		1			2.1	3.7
www	1.	• 3				<b>†</b>	<u>†</u>					1.4	3.3
NW	1.	• 7	<u> </u>	1		1			1			1.7	2.8
HOW	1.7	1.4	1.5	• 3		1	1		1			4.5	5.3
VAREL			<del> </del>				1		!			1	
CALM	> <		> <		> <	> <	> <	> <			> <	71.9	1
	32.5	26.7	11.3	6.5	1.0							100.0	3.9

TOTAL NUMBER OF OSSERVATIONS

292

SMOS

NAVAL WEATHORIGENVIOLE OF TAX HOTENT ADDESTIGEN NO

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SESSION JAPAN STATION NAME	13-32	VEAGE	
	ALL EATHER		D. F.
	CORP!7IOR		

SPEED (KNTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$4		MEAN WIND SPEED
N	• 1	• 6	4.1	2.2	. 4					!		10.	6.4
NNE	1.	7.5	7.4	. 7		1	1					13.1	5.¢
NE	• ′	3.7	1.1	. 4								5.0	5.9
EME	1.	7.		• 4		i	•					5.7	4.2
ŧ	٦.	7.2	• •									5.6	4.0
ESE	• ,							1					2.0
SE	. 1	. 4								1	1	1.5	2.5
206	1	1.5	• 7									3.4	4.3
\$	·· • 1	3.7	6.7	1.9	. 7		T	I		·		17.2	6.9
SSW	2.0	2.4	7.7	3.7	1.1							13.0	9.8
3W		• •	• W		. 4						i	1.1	10.7
WEW	•	• 4		. 4							į	1.	6.0
W	1		L			L	[		<u> </u>			1	: 
WWW	L •-			. 4							·	. 7	7.0
NW		• 1									ļ	• 4	4.0
MMM	• •	1.1	•	. 4						<u> </u>	! <del>*********</del> * - ***	₹ 2.€	7.0
VARBL			L			L						1	
CALM	$>\!\!<$	$>\!\!<$	><	$\geq <$	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><		7.5	
	.2.1	35.6	21.7	10.5	2.6							100.3	5.9

TOTAL NUMBER OF DESERVATIONS

267

NAVAL WEATHER SERVICE

OF TALIBUTE

ASHEVILLE NO

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

 ATTION JULY A .	7 3+42 YEARS	JUL *****
ALL -E	<del></del>	1 ~
cont	17 AD-0	

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥ 56	1	MEAN WIND SPEND
N	1.	1.	5.1	. 4	. 4							7.1	6.9
MME	1.1	4.	3.5	. 7								10.1	€ • 1
NE	1	1.1	1.	1.4	• !				1			5 - (	7.5
ENE	1.1	1.	1 • 4	<u> </u>								4.3	5.1
ŧ	1	2.5	2.5	. 4	•			I	!			6.5	5.9
ese		• 4	• t:					4				7	6.0
SF	•	1.4			<del>*</del>							1.5	4.6
\$\$E	• •	7, 3	1.1	. 4								5.1	6.2
\$	1.4	5.1	12.3	1 . 1	2.2	• 7						31.5	10.1
SSW	1.1	3.	6.2	5.9	1.8	!	_		T			18.5	13.1
SW	1.1	• 7	• 4	. 4		i		!		ļ.		2.	5 • 3
wsw	• '		. 4	Ī		Ĭ.						1.1	4.7
w				i .					I	T		I	
WHW	• •									i	1	1	1.0
NW	• •									Ţ		••	1.0
NNW		• •							Ţ -:	(	Ī	-4	4.0
VARBL											<u> </u>		I
CALM	$\supset <$	> <	$\supset <$	$\supset <$		><	$\geq <$	$\geq <$	$\triangleright <$	><		1.4	
	17.0	26.	35.1	19.6	4.3	. 7						150.3	5.0

TOTAL NUMBER OF OSSERVATIONS

276

NAVA, ALATMON OF LAS LETACOMEN AMELIATEN

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (KNTS) DIR.	1.3	i 4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	1 - 41 - 47 !	48 - 55	≥ 56	**************************************	MEAN WIND SPEED
N	1.	2.1	2.4	1.	<del> </del>			•	<del>•</del>			6.5	6.6
MME	li •	•	2.1	• ₹				!				7.1	7.3
NE		1.4	1.	1.								!	7.4
ENE		1.	1.0	• 3							•=	3.	5.7
E	• 7	2.1	2.1	7	• :				1			5.5	5.7
141		2.1		• 7								3.1	٤.7
SE	•	1.	T									2.1	5.0
356		1.4	2.1	1					1			3.	6.0
\$	I	7 . 4	14.4	15.1	5 • 1	• '	1		4			40.1	11.2
SSW		2.1	7.	3.2	1.7		1					21.4	10.9
SW	1	•	• 7	• 3	. 3		1	1				1.7	13.6
wsw		• 7		• 3							1	1.	7.7
w	•	• ?	• !					1	1		•	1.5	4.7
WWW							I						
NW		Ι.	I	I							Ţ. — — · -	[	
NNW		•	• 7	I			I		Ī			• 1	6.5
VARBL			I	L			I				I	I	
CALM		$\supset <$				><					><	1.	
		19,5	34.6	29.8	7.2	• 3						1 0.0	7.3

1

NAVAL MEATHER BOX SERVER LETA HOMES ATTRICKED

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TEARS

STATION WILL F. A.T. HI. S.

COMBITTON

SPEED (KNTS) DIR.	1 - 3	i ' 4 - 6 !	7 - 10	[ 11 - 16 ]	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47 1	40 - 55	≥ 56		MEAN WIND SPEED
N			2.7	1.4				1				6.1	7.6
NNE	<del></del>	1.	1.7	• 7								4.1	7.9
NE	4			• 7					]			2.4	7.4
ENE			• *	1.	• 3							7.1	7.1
	•	1.	2.7	7									7.7
ESE		1.	1					1				7 7 2 6 7	5.1
SE	•	1.	• 7									1.	5.4
356	1		• 7	• 7					1			2.5	7.2
5	7.	5.	19.7	12.6	. 7	• 7						41.5	· · · 3
55W	1.	3.7	5 . 2	2.5					·			T.T.	4.2
SW	• '	1.	1.	1.4			,	1	i			4 5	7.4
wsw	•		•	• 3	!					•		1.3	7.3
w		•	• 7		1			1	1			7	5.5
www		1						4		! !			
NW			r		1								7.5
NNW	I .		1	I				1	I			,	1.0
VAROL		I		I	Ι			Ī	1			Ī .	
CALM		><				><						3.1	
	• 1	22.4	3 • •	25.0	1.7	٠ ٦					<u> </u>	1-0	5.4

TOTAL NUMBER OF OSSERVATIONS

294

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	A CONTY DANA C STATION MARK	7 / p. 5. 1	Jak
	and the same processing and the same of th	ALL SEATHES	21 mounts at 8 7
		COURTING	

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 40	41 - 47	49 · 55	≥#		MEAN WIND SPEED
N	1.7	2.4	2.1	2.1				<u>.</u>		<del>-</del> -	•	8.1	7.3
HHE	1.4	2.4	1.4	• 3				1				5.6	5.6
NE	1.	1.	1.	• 7								3.5	6.4
ent.	• 7	?•1	2.1		,							4.5	5.4
ŧ	1.7	2.1	• 3	1		1	,	Ī			•	4.2	4 . (
ESE	• 7	. ?	. 7				1	1				1.4	4.5
54	• 1	1.4			1							1.7	3.6
35E	•	1.		• ?						I		2.4	5 . 1
\$	5	9.7	13.2	5.2	. 7	i	1					34.7	7.2
SSW	• 1	4.5	2.8	3.0	1.0							15.3	8.0
sw	1.4	. 7	1.	• 3				I			1	3.5	6.
wsw	1.4	. 3		• ?				I				2.1	4.
W	• 3							I	1			• 3	2.0
ww	. 7									I		. 7	2.0
NW	l ·	• ₹						I				1.4	2.5
HMW	1.	• 2	• 3					I		I		1.7	3.6
VARBL													
CALM		$\supset <$		$\supset <$	><	><	$\geq <$			$\geq <$		6.3	
	22.6	23.5	24.7	13.2	1.7							1.0.0	6.0

TOTAL NUMBER OF OBSERVATIONS

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ATSUCT, JAPAN	13-62	YEARS	JUL_
		SIAME R		MOURE (L. B. T
		CPESITION		

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54		MEAN WIND SPEED
N	• 3	5.7	3.5	1.2	•1		i					13.7	5.9
NNE	1.	3.7	2.1	. 4		Ī						6.1	5.6
NE	1.1	1.	• c	.6					1			4.4	6.0
ENE	1.1	1.4	. 7	• 3	• ^		,					3.5	5.0
E	1.5	1.4	1.2	• 2								4.4	5.4
ese		• 6	• 3	• "	T			Í				1.5	4.
SE	•	1.	• ^						Ī			1.7	3.
352	•	1.5	• *	• 2			!					2.9	5.0
8	3.	5.1	1	7.0	1.4	• 2						27.3	8.
SSW	1.	3• "	4 . (	4.7	. 9							15.0	9.
\$W	•	• ′	• [	. 4	• 2	I		I				2.5	7.0
WW		• ï	_ • 1	• 2			I					1.0	5.1
w	•	• 1	• 1									. 7	3.
WNW		•		• 1								• 5	3.
HW	•	• :	•									٠ -	2.1
MW	•	•	• 4	• 1								2.1	5.6
VAROL													
CALM	><	$\geq <$	><	$\triangleright <$	$\geq <$	$\geq <$	$\geq <$	$\geq <$	$\triangleright <$	$>\!\!<$	><	9.8	
	1.9	21.4	25.5	15.5	2.6	• 2						1'0.0	6.

2053

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	a Suci, Jark.	17-82		AUC
FTATION	ETATION NAME		YEAGS	2007
		ALL SEATHER		20
		CLAM		HOURS IL S T
		(PRS17194)		

SPEED (KMTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥ 54		MEAN WIND SPEED
N	3.	1.00	5.3	1.0								?1.2	6.0
NNE	1.	1.2	1.									4.7	5.1
NE	3.	2.	۸.	• 6								7.6	4.5
2942	٠		• *	• 6								1.5	7.3
ŧ	1.	1.2										2.9	2.5
ese	• 10	• 4.		. 6		• 4				L		2.4	11.5
<b>SE</b>	• 0											1 .€	1.0
38E	1.2	• 1.										1.5	2.1
8	4.1	5• (	7.6	3.5	1.8							22.5	7,6
55W	1.	1 • 4	5.3	3.5								12.4	P
\$W	1.2	• *			• 6							2.4	6.
WW	- 5											. 6	2.0
w	• */-											• 5	2.
WHW	1.2								L			1.2	2.
NW	1.2	• 4	L									1.0	2.
NHW	• 15	• 5	• 6			L						1.6	4.
VARM													
CALM	><	><	$\triangleright <$	$\supset <$	><	$\triangleright <$	><	><	$\geq \leq$	><	><	13.5	
	24.7	26.5	21.8	10.6	2.4	. 6						100.0	5.5

TOTAL NUMBER OF CESERVATIONS

170

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>. 17.7 )                                </u>	A SUGI, JAFAN	77-82	AUC
STA 7100	STATION NAME	YEAGG	<b>50478</b>
		ALL SEATHER	03
		CLAM	HOUSE (& 0 T
		COMOTTION	

SPEED (KNTS) (DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 · 55	≥56	•	MEAN WIND SPEED
N	. 4	o • ·	8.4	3.5								28.7	5.7
HHAE	1 • 2	1.2	3.								!	5.4	6.4
NE	•	2.4	1.2		. 6							7.2	5.
EME	• :									}	!	• 6	2.0
ŧ	•	دنوس										1.2	4 . 5
285													
84		• 4									1	1.2	3.6
\$80	1.2	• f2	• 6		. 6			• 6			!	3.5	11.
8	2	1.	4 . P	2.4	• 6							12.0	7.
55W	1.2	1.	3.	1 . P	• 6							E . 4	8.
\$W			•		• 6							1.2	13.0
W\$W	7.5											2.4	1.
w											Ī	• !	1.0
WHW	1.2											1.2	2.0
NW	1	• 1										2.4	2.
NHW	7.	7 . 6	•6									7.2	4.
VARSL												I	
CALM	$\times$	$\times$	$\supset <$	><	$\times$	$\times$	$\searrow$	$\times$	$\times$	$\times$	><	16.3	
	1	22.2	22.7	7.2	3.C			•6				100.0	5.

TOTAL NUMBER OF DESERVATIONS 167

emos emos

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

3	AISTGI, JAPAR	13-92		AUG
BTATION	57A7100 BASE		YEARS	0007a
		ALL ZEATHER		0.6
		CLASS.		80000 (L 8 7 -
	<del> </del>	COMMITTION		

SPEED (KNTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 . 27	20 - 33	34 - 40	41 - 47	40 - 55	≥34		MEAN WIND SPEED
N	14.5	15.3	7.5	2.8	.4		!					40.5	5.2
NNE	2.5	5.3	• 7									8.5	4.6
NE	• 4	.7										1.1	3.7
EME	• 7											. 7	2.5
•						1			1				
236	••											. 4	2.5
H	• 4							:				.4	1.0
344	.4	1.4	.7			1			1			2.5	5.7
\$	1.4	1.4	.7	2.8		. 7	]					7.1	10.1
SSW	1.	1.4	2.	1.1	• 7							7.8	7.7
\$W	••	1.4	. 4	1.1								3.2	7.7
WW	• •		1									.4	2.0
w	• 7	• 4										1.1	3.0
WHW	`•1											2.1	2.2
NW	1.5	1.4	. 4									3.6	3.9
NNW	3.5	1.4	1.4									6.4	4.1
VARBL			]									1	
CALM	> <	$\supset <$	> <	><		><	$\supset <$	> <	$\supset <$		> <	14.2	
	31.3	30.2	14.5	7.8	1.1	. 7						120.0	4.6

TAL NUMBER OF DESERVATIONS 28.1

BMO6

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATSUSI, JAPAN	73-82	AUG
874 T 194	87A7109 #4 MS	TEAM	W007F
	ALL V	EATHER	<b>39</b>
		CLAM	BOURS (L S T
		MAYAN	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥#	•	MEAN WIND BPSSD
N	7.1	6.1	17.3	4.2	. 4							24.0	7.4
14146	. 3	4 . f.	2.1	. 4								10.3	5.6
ME	1.	3 • ℃	1.5	. 8								7.5	6.1
BMI	1.	1.										3.4	3.1
e	• -	•										1.1	4.0
585	• •											. 4	1.0
şe	•	• 4										•	••0
896	• 1	•		• 0				. 4				2.3	13.5
\$	. 4	4.?	2.7	4.2	9.	. 4						15.6	8.2
SØW	1.	3 • 1	3.4	6.1	. 4	. 4						14.9	9.4
\$W	1.1	•	. 4	2.3	. 4							3.0	9.
WW		•											6.0
w	•			I								1 .4	2.0
WHW	•											• 3	2.5
NW		٠ د										I • •	4.5
HMW	• 4	2.7	1.3									7.	6.1
VAREL													
CALM	$>\!\!<$	$>\!\!<$	><	><	><	><	><	><	$>\!\!<$	$\supset <$	><	7.3	
	17.	30.2	23.3	13.7	1.9	٩		.4				100.0	7.0

TOTAL HUMBER OF DESERVATIONS

262

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NO

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	1 SUST. UNFAK	73-82	AUG
574 T10#	STATION RAME	YEARS	WORTH .
	**************************************	ALL WEATHER	- 12
		COURTER	

SPERD (KMTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$6	*	MEAN WIND SPEED
M	1.4	2.5	4.^	1.8	. 4					1		10.4	8.0
NAME	1.1	1.	4.3	1.4					i			8.6	7.7
NE		7.02	• 7	•7	• 4							5.3	7.2
ENE	1.1	2.5	1.1	. 4								5.0	5.6
E	• 7	1.1	1.									3.6	6.0
254	• 4	1.1	• 7				1					2.2	5.2
\$4		• 7	• *									1.4	6.5
966	• 7	1.4	1.4	. 4	1.4							5.4	9.5
8	1.4	5.0	17.4	13.4	1.8	• 7	. 4	. 4				21.3	10.7
\$5W	1.1	3.2	5.	6.5	3.6							19.8	11.3
\$W		1.1		. 7	.7							2.5	12.0
WW		• 4	. 4	. 4								1.1	3.7
w												Ī	
WW												1	
NW	• 7											.7	2.0
NNW		• 1	• 1.									1.1	5.3
VARM			<u> </u>						]			1	
CALM	> <	$\supset <$	$\supset <$	$\supset <$	>>	><		$\supset <$	$\supset <$	$\supset \subset$	> <	1.8	
	• 6	25.9	30.9	23.0	∂•3	. 7	. •	. •				100.0	9.1

TOTAL NUMBER OF DESERVATIONS

278

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

14.1	A SUSI, JAPAN	73-92		AUG
87 A T 1800	STATION NAME		TEAS	- death
		ALL FEATHET		15
		¢96917169		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	25 - 32	34 - 40	41 - 47	46 - 55	≥56		MEAN WIND SPEED
N	•	1.5	2.7	1.7								6.1	9.
NME	•	1.4	1.7	1.								5.1	7.
ME	•	1.7	1.7		• 3							4.4	7.
3148	• ,	1.	• 3	1.0		,						3.0	8.
ŧ.	•	1.	2.	• 7			1		1			4.1	7.
686		•	.7	.7			!		1			2.0	8.
52		1.	1.	1			<u> </u>	!				7.7	6.
266	•	• 3	1.4	.7		• *			1			3.4	8.
5		4.	13.2	18.6	2.7	1.	<u> </u>		1			40.2	11.
15W	• '	1.4	6.4	7.8	3.7	• 3		• 3	1			20.3	12.
sw	• 7	• '	1."	.7	. 7							3.7	10.
ww	• 7	• 3	• ?	. 3			<u> </u>				· · · · · · · · · · · · · · · · · · ·	1.4	7.
w		• 7	. ?	• 3			<u> </u>					1.4	3.
WHW													
NW			•					1				• 3	8.
MW		•	•-				1					1.0	7.
YARRI			<u> </u>				Ī						
CALM	>>	> <	> <	$\supset <$	> <	> <	> <			><	><	1.0	
	4.7	17.2	34.1	33.4	7.4	1.7		• 3				100.0	10.

TOTAL NUMBER OF OSSERVATIONS

206

MOS

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NAVAL WEATH HERVIGE DETACHMENT ASHEVILLE, NO

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>, , , , , , , , , , , , , , , , , , , </u>	ATTENT. JAPAN	13-97	AUC
BYATIM	STATION HADE	YEARS	****
		ALL MEATHER	1 6
		CLASS .	MOURS (L S T
		COMPLYION	

SPEED (ENTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	46 · 55	≥ 94	•	MEAN WIND SPEED
N	• .	1.4	3.1	1.4				1				6.1	8.3
MME	• 7	1.	• •	• 3								2.7	6.5
NE		1.4	2.4									3.7	7.2
Def		1.4	2."	1.4								4.	8.1
· ·	1.4		3.4			i						1	6.6
PRE		1.4	. 7	• 3						i .		2.4	7.0
34		• 7	- 3									. 7	6.5
15E		1.4		1.				i	I			3.1	6.5
8	1.	î • §	17.3	8.5	. 4	• 3		1			!	19.3	9.6
SSW	1.4	4.4	17.2	5 . P	1.7							23.4	9.3
SW	1.4	2.		1.4	• 3							5.1	7.5
WSW	• 7		• '			I			L			. 7	4 • 5
w	• '											• 1	3.0
WNW												1	4
NW													
MAM	•	• 3		{		Ι			L	Ĭ		1 .7	3.5
VARIOL													
CALM	><	$\supset <$	><	$\supset <$	><	$\triangleright \!$	$\triangleright <$	$\supset <$	$\triangleright <$	$\triangleright <$	$\sim$	2.4	i
	7.1	23.7	41.0	20.0	5.4	• 3						170.0	3.5

TOTAL NUMBER OF OBSERVATIONS

295

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

111	ATSUSI, JAPA.	77 = 87	A 6.1
97 à 7 1000	STATION NAME	TEARS	Meate
		ALL WESTHES	21
		(LAM	HOURS IL S T
		Obaqo:Tribu	

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	44 - 55	} - ≥54	•	MEAN WIND SPEED
N	•	4.	2.1	. 1	• 3		4				<del> </del>	8.7	6.3
NNE	1.	2.	2.4	. 7			1					6.17	4.5
HE	•	1.7	2.1									4.5	6.0
946	`•	1.	• 3	• 3								2 • 3	6.0
1		2.1	• 7	7				i			1	4.2	6.7
556	• •	1.7	• 7	1								3.1	4.9
9.0	•	1.		1					Ī			1.4	3.5
350	1.	2.1	1.4	• 3								5.5	5.4
•	4.7	12.4	٥.	5.2	• 3		• 3		I	Ĭ		71.3	7.0
39W	2.4	5, 0, 2	3.1	4.2	1.							15.9	8.3
SW			• -	1.4	• ?	1	1					2.4	11.7
WW		• 3										1.0	6.7
W			T										
WW	•	• 3							I			• 7	4.5
NW		•				Ι						ų • 3	4.0
New			•			F	L			I		2.1	5.2
VASOL													
CAIM	><	$\supset <$	$\triangleright <$	$\supset <$	><	><	$\geq \leq$		$\supset <$	><		8.7	
	1.6	36.3	23.2	13.8	2.1		• 3					100.0	6.3

289

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

_ ; ; ;	ATOBOL: UAFAH	77-32		Au"						
STATION	STATION NAME		TEAM							
	ALL WEATHER									
		1406		HOURS (L S T						
		1917 IGB								

SPEED (ENTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	: : 28 - 33 ;	34 - 40	41 - 47	48 - 55	≥54		MEAN WIND SPEED
N	1.	5.	5.2	2.1	• ?		,			•		17.2	6.4
NNE	1.5	2 • c	2.2	• 5			1			•	:	6.6	5.2
ME	•	7.2	1.7	• .?	• 1							4.9	6.2
BHE .	•	1.1	• t	• 5						·		2	6.3
t	1		1.1	• 2				i				2.5	5.2
ese		• 7	• 4	• ?		• `		Ī				1.7	5.6
M	· ·		• 7									1.2	5.1
388	. 7	1.1	•	. 4	• 2	• ^		• 1				3.5	8.2
8	1.1	Ε,	5.6	7.5	1.5	. 4	• 1	•0				26.2	9.4
55W	1.4	2.	5.1	4.0	1.6	• 1		• ว				16.7	9.9
sw	• -	. 9	. 4	1.0	. 4							3.3	9.4
wsw	• •	• 2	• 1	• 1								1.0	5.3
w	• '	• 1	•	• □		[					Ĭ		4.7
WNW	• 1.	• "				I						.7	2.6
NW	• :	. 4	• 1			[						1.1	3.5
NNW		1.1	•			[						2.0	4.9
VARM						[			L		<u> </u>		
CALM	><	$\supset <$	$\geq <$	$\supset <$	><	><	$\geq <$	$\geq \leq$	$\geq \leq$	><		7.4	
	10.0	26.7	27.0	17.8	4.1	.6	.1	• 2				170.0	7.3

TOTAL NUMBER OF DESERVATIONS

2338

NAVAL WEATHER THERE IS A STEEL ASSESSED.

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATOS MASS TOTAL T

SPEED ENTS) DIR.	1 - 3	4 - 6	7 . 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 54	•	MEAN WIND SPEED
N	• 3	17.	11.	5.3	• 5	1	·					4C . ?	5.6
MNE	7.4	3.4	1.2	• 6								7.7	₹.
NE	1.	1.		• · · · · · · · · · · · · · · · · · · ·	i					•		3	· - 1
ENE	•										· · · · · · · · · · · · · · · · · · ·	1.2	6.
t	1.	•		1		<u>.</u>		1		• • • -•		2.4	3.
ese					·								
3.0	•								1			•	1.
352	1.2	• •				1						1.5	3.
5	1 • 2	2.4	2.4	1.1	• 5					• · · · · · · · · · · · · · · · · · · ·		E . T	8.
\$\$W	•	1.2	3 • '	. 6	. 6			I 	!			6.5	3.
sw	• .	1.2				<u> </u>		1				1.2	4.
wsw	•			I								• 5	₹.
w			L	İ	i 	<u> </u>		! <del> </del>	i	, 			_
WNW	1.7	•	T 	1	· 	İ		! <del></del>		I			3.
NW	• 2		I 	· 	4			<u></u>	t <del>-</del>			1.2	₹.
NNW	4 • 1	3.	5.	. 6	1	L				i i		13.	<u> </u>
AROL						L							
CALM	$\triangleright <$	><	$\geq \leq$		><	$\geq \leq$	$\geq \leq$		$\geq \leq$		><	9.5	
	2 .1	32.C	24.	4.9	1.8							1 0.0	5.

TOTAL NUMBER OF OSSERVATIONS

167

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

574 1 10g	ATSEST, JAPAN 77-9:	
573 T 1841	ALL VEATHER	7.3
	CLARO	HOURS IL S T
	CORES/T NOR	

SPEED (KNTS) PIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥ 54		MEAN WIND SPEED
N	4.	22.4	11.	3.	• 6	i					<del>,</del>	42.4	6.3
NNE	: • 2	5	1.3	1.2								9.7	5.1
NE	3.	• 1	• '							:		4.7	3.0
DIE	•	•-				[				•		1.2	4 .
		• -			!		•						4
256		• 1		<del></del>						<del></del>	·	• 6	4 .
SE			1			1	<b>.</b>	!		<del></del>		1	
388	1.	• ,	• 5			-				<del>†</del>	•	3.0	4 .
	1.	2.4	• 4	1.8	-	. 4	<del></del>	,	<del>•</del>		<b></b>	7.3	8.
SSW	7.4	1.2	• 5	. 6						<del></del>		4.3	4.
sw	•			·	· · · · · ·			1	<u> </u>	<u> </u>			3.
wsw	•	1.2				• <del></del>				†	· ·	1.1	3.
w				· · · · · · · · · · · · · · · · · · ·		<del>                                     </del>		<b></b>	• ·——·	<del> </del>	•	#	
WNW	•	1	<del>                                     </del>	ļ									7.
NW		1.2		ļ					<del></del>		<del>• • • • • • • • • • • • • • • • • • • </del>	1.	3.
NOW	2.4	3.	4.	2.4					<u> </u>	<del>• • • • • • • • • • • • • • • • • • • </del>		12.7	7.
VARBL	·		<del></del>			<b></b>		<del> </del>	•	<del></del>	<b>}</b> — I	<b>+</b>	
CALM		><	> <		> <		> <	$\geq <$				7.	
	1.2	40.0	20.6	٥.1	. 6	• •						1 '0. 1	. ذ

TOTAL NUMBER OF OSSERVATIONS

1 - 2

NALAS NA ABOOK SARBOLE LIGITAL INMENT Aboth Licit 196

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

17-R7 ALL SEATHER CLARG

SPEED (ENTS) DIR	1 - 3	4 - 6	7 10	11 - 16	17 - 21	22 - 27	28 33	34 - 40	41 - 47 4	55	≥ 56	•	MEAN WIND SPEED
N	• •	•	1	1.	• •							°0•?	t . 4
NNE	1.	•	1.1	Ī.1					· · · · · ·	- · · · - • -		10.	6.7
NE		•	•	• •						•		1.	7.8
ENE	•			• 14						- •		•	7.0
		•								•		7	4 . C
tst	•	•							•				2.0
u		•											
SSE	•	• •	•	• "		• •						1.4	5.3
	•	1.	· • "		4 _	•						7.5	6.6
\$5W		<u>.</u>	1.4									3.5	7.6
sw	•	•	•									1.1	5 •T
wsw		•				•		•				• •	6.0
w		•				•		•	<u> </u>				1.5
WWW		L				•		1				_• 7	2.5
NW		1.	•			· :		•	•		7	2.1	4.7
NHW	1.		7.	1.1	• •			<u>.</u>		4.		11.	5.4
VARBL			L	· 	: =	<u> </u>		<u> </u>	L				
CALM	$\geq <$	$\geq <$								$\times$	_ < []	5.3	
	1 .1	31 . 1	20.1	7.7	1 • P	, u						1:0.3	5.9

TOTAL NUMBER OF OBSERVATIONS 2 4 5

MALAL ALATHER BEVOLE 19 TACHMENT ASHENILL NO

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DIATOR	1 1 5 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	AT INN WAST	7 ( - 1)	TIAN	€ E D
	· · · · · ·		EATHE?	· · · · · · · · · · · · · · · · · · ·	07
			COMBITION		

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥34		MEAN WIND SPEED
N	3.	11.	16.5	6.1	1.1			<del> </del>			<del></del>	38.6	7.9
NNE	1	5.5	7.4	7.2			• <del></del>			•		20.5	7.3
ME	• '	• 7	2.2	1.1						·		4.7	7.5
ENE	• 4	1 . 14	•	. 7			•				•	1.2	6.7
ŧ	1.1	•	1			•		1		i		1.2	7.4
ese	• 4		• 4									1.1	4 . 3
se	• 4	. in					· · · · · · · · · · · · · · · · · · ·	•			,	. 7	3.0
\$5E	• 7	• •	• 7							!	•	103	5.8
\$	1.	1.1	1.	1 • -	1.1	. 4			:	,		7.0	9.8
\$\$W	•		1.4	2.5	1.8					1		t • C	12.7
sw	• -	• 4	. 7	. ta							• <del></del>	2.2	5.5
wsw			1							1			i
w										İ		1	
www			1										
NW	•	. 4	.4					i		!	 	1.1	5 . 3
New	. 1	1.1	1.	1.4	. 4							t • 1	9.0
VARBL										i	i	I	
CALM	><	$\supset <$		><	><	><	><	><	><	><	> <	3.1	
	1	25.2	36.0	17.6	4.3	. 4						170.0	7.7

TOTAL HUMBER OF DESERVATIONS

279

\_\_\_

NAVALARATHUM ARAYUS BEAR HARETE ABBERREE NO

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| SPEED | 1 - 2 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | 25 | 40 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 12 - 27 | 1

(KMTS) DIR.	1.3	4 • •	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 55	≥ 54	,	SPEED
N	1.	1.5	٥.	4.7	2.2			1	1			24.1	8.9
NNE		4.	4.7	2.9								12.2	9.4
ME	•	4.	2.	1.1	I							9.7	6.1
EME		3.	7.2	• 4			<u> </u>	· ·	I			5.4	7.0
ľ	•	7.	• *	·	1		·					4.3	5.3
ese		1.				Ĺ <u>-</u>	•	<u> </u>				1 1 • 2	5.6
\$1	•	• •			<u> </u>		<u> </u>					1	4.3
\$86		•	1.0	1	. 4		: 	:		Ī	·	2.5	3.5
5			2.	5.3	1.4		Ī		· ·			16.2	9.7
15W		1.1	3 • '	2.0	3.2	. 7	i	¹ <b>+</b>	<u> </u>	<u></u>		11.5	13.1
SW		• 4	1.1	• 7	.7	· 					: • <del></del>	₹ 2.9	11.5
wsw		1.1			[ 			i			: •	1.1	5.3
w		<u></u>		<u> </u>	i			<u> </u>			· 	<u> </u>	<del></del>
WNW	•	ļ	•"			<u> </u>		• <del></del>	L		· •	•7	5.0
NW	• •			İ	! <b>+</b>		<u></u>	<u> </u>	ļ	·		• 7	4.0
MWW		1 • 1	1.1	3.2	i •		İ			·		5.4	10.9
VARBL				<u> </u>							L ,	<b>_</b>	<b></b>
CALM	><	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	><	><	1.1	! 
	7.	31.7	29.9	21.6	7.9	• -						100.0	8.8

TOTAL NUMBER OF DESERVATIONS

278

NA JAÇ WEATHER FROM SE ON TAKEMENT ATHENIELES NO

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	A	JAPA:		13-82			5E <b>P</b>
\$747 MPR	~ · · · · · · · · · · · · · · · · · · ·	STATION NAME			TEARS		9047#
			ALL	"EATHE"			1 <sup>E</sup>
			· - · · · · - · - · · - ·	CLASS			10005 11 5 T
				COMBITION			
r			<del></del>	<del></del>	<del> </del>	<del></del>	+

SPEED (ENTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	72 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N		4 .	7.	4.7	.,	,				· · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	18.7	8.8
MNE	1.	1.	2.4	1."	• 3	. ,						6.7	9.4
NE	• 7	1	7.4	1.								5.5	7.5
ENE	•	1.4	2.	• ?								4.7	7.4
e .	1.	• 1	3.	1.			•	 				7.6	7.0
125	• '	• `	3.									4.7	7.1
54	• `	1.	•									3.1	5.2
356	• ,	. 7	• 7	• ?								2 - 1	t • 3
8	1.	3.	ξ,ς	7.4	1.7	• 3				1		2.2	10.5
ssw	. 7	2 • 4	٠.٤	4.2	2.1	٠, ۲	• 3					16.0	10.5
\$W	•			• 7	• 3							1.0	11.0
WSW	•		•									1.3	7.3
w													
WNW		•							I			•	4 . C
NW			[										2.0
New		1.	2.4	1.0								4.5	₹.2
VARM													
CALM	><	$>\!\!<$	><	><	$>\!\!<$	><	><	><	><	><	><	•,	
	• 5	22.6	39.2	22.9	5.2	1.5	. 3					100.0	8.9

TOTAL NUMBER OF OSSERVATIONS

298

SMO

NAVAL GLATHUR SERVICE LETACHMENT ASHEV EVENNO

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	Trainin nade	1 7 = 0	e e p
	الله الله الله الله الله الله الله الله	ATHE T	1 c 1000 (c 6 T
	Cont	D-17ada	

SPEED (KNTS) DIR.	1 - 3	4 · 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$4	li e	MEAN WIND SPEED
N	1.0-	5.5	5.7	2.4	ı		:	:			<del></del>	14.5	7.3
MME	1	2.4	2.4	. 7								7.3	6.3
NE		• 7	1.7	1.				1				4.1	9.0
ENE	•	2.1	2.1		:			1				5.2	5.7
t		7.	2.3	• 3		!			1	•	•	8.0	6.6
ESE	• 1	1.7	• 7									4.1	3.6
34	• 7	1.			i		1					1.7	3.4
SSE		1.4	• 7							• :		2.1	6.7
8	1.7	17.3	5.5	3.8		1	1					21.4	7.3
SSW	1.	5.65	4.5	4.5	1.4					1		17.6	8.5
sw	• ,	2.4	• ₹	• 7							!	4.1	6.0
wsw	1.4	• 3	• 3				1			!		2.1	4 . C
w	1	• 7		1					i		1	. 7	2.5
WNW	• ?	<u> </u>	• 7						• <del></del>		t	1.0	4.3
NW	1		• 7			1			1			-3	9.0
NW	•	1.4	1.4	1.4					İ			4.5	8.1
VARM	Î	Ì			Ī	1			<u> </u>		i	Ī	
CALM	$\supset <$	$\supset <$	><	><	><	><	><		> <	><	><	1.7	
	1 + + 1	40.0	27.3	14.5	1.4							170.7	6.8

TOTAL NUMBER OF OSSEVATIONS

290

A.A. Land A.A. Communication of the second s

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL HEATHE

SPEED (ENTS) OIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	: - 28 - 33	i 1 <b>34 - 40</b>   	41 - 47	44 - 55	<b>24</b>	i .	MEAN WIND SPEED
N	2.7	• 3		2.₽	. 4		<del></del>	<del></del>			<del></del>	26.1	6.9
NHE		٠.	2.5	• 7								8.3	6.4
NE		1.	1.1									4 . 2	4.7
BME	•	1.4								•		1.5	3.8
	7	. 7	• -			)	•	<del>}</del>				4.2	3.3
£\$£	1	1.	. 4								:	3.	4.4
u							•		1		,	.7	3.0
156	: 1	2.1	<u> </u>						. 4	•		3.0	8.6
\$	1.		1.	7 . F	. 4				1			12.7	6.8
SSW		1 • 3	4 . ~	7.2	• 4			4				10.6	9.6
SW	· ·	1.1	• 1	. 4			i					2.9	6.4
WSW		1.1	. 4					1			1	1.5	4.2
w	1.1											1.1	1.7
WWW									i				
NW		• •										1.1	2.7
NNW	1.1	2.5	2.5	. 4								6.3	6.1
VARBL													
CALM		> <		$\supset <$	><	> <	$\supset <$					10.5	
	10.0	34 . 7	23.6	17.2	1.4				.4			100.0	5.8

2

NATALARA PRE ETALARA CETALARENT ASSETTE PRO

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

# # # # # # # # # # # # # # # # # # #	C. C. JAS AN.	73 = 9	SEP
, , , , , , , , , , , , , , , , , , ,	\$131 CON 1020	ALL «EATHER	ALL
		CREST TIPE	

SPEED (ENTS) DIR.	1.3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - <b>40</b>	41 - 47	4 - 35	≥#		MEAN WIND SPEED
N	.4	11.3	11.2	4.	. 8							30.7	7.3
NNE	: • 2	4.5	3.5	1.5	• ^							10.	7.1
NE	1.	1.5	1.5	. 6						•—		4.5	6.2
INE	• '	1.3	1.1	• ?						. — —		7.1	6.4
ŧ	1.	1.1	1.	• 2		: -						3.8	5.4
ESE	• 7	• ?	• '									2.3	5.1
M	•	• 5	• 1									1.0	4.0
344	• -	• 0	• 1	• 1					•			2.3	6.
	1.2	4.4	3.2	3.6	• 7	• 1			1			13.3	4.8
SSW	1	1.4	7.3	2.6	1.3	• 2	• 1		T			10.1	10.2
\$W	•	• 3	. 4	3	• 1						•	2.2	7.1
wsw	• -	• *	• 3						1			1.1	4.6
w	•	• :							1	!	•		
www	• 4	• 1	• 1						7 · · · · · · · · · · · · · · · · · · ·		,	• ŧ	7.6
NW	• 4	. 4	• 1								!	1.0	4.0
MW	1.4	1.	2.7	1.5	• 1				I		Ĭ	7.5	7.
VARIAL									I			I	
CALM	$\supset <$	$\supset <$	$\supset <$	> <	><	$>\!\!<$	><	><	$\supset <$	><		5.1	
	14.4	32.4	29.6	14.7	3.2	. 4	•0		• ?			170.0	7.0

TOTAL NUMBER OF CREETVATIONS

2037

NAVAL WER TOOR SERVICE DETACHMENT ASSEVILLE, NO

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	475 61. Jan At.	76-a,	CCT
0147404	STATION NAME	YEARS	
	ALL VE	ATHER	36
	Ci	A86	HOUSE (L S T
	CORN	HYIGO	

SPEED (KNTS) DIR.	t - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥#	•	MEAN WIND SPEED
N	7.5	31.4	1.07	2.2		•			<u> </u>	<del>  </del>		53.5	5.7
MNE	• 5	4.3	4.3	• 5			.5					10.2	7.5
ME	•	• :	1.1	• [								2.7	6.6
846													-
ŧ	•											.5	2.5
989													1
<b>54</b>							i		1				
362	• 1	• 1							I			1.1	3.5
\$			• 5	1.1					I			2.1	9.5
58W	i • 1	2.1			1.1							4.3	5.0
**			• *	• c	۶.	T			I			1.6	13.0
WW	•								I			• 5	2.0
w						I			I				
WHW	1.1					<u></u>			L			1.1	1.5
NW	• •	1.5	• c									2.7	5.0
NOW	1.1	5.7	1.4	1.1		I			<u> </u>	il		14.4	6.7
VARIA													
CALM	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	$\geq \leq$	><	><	$\geq \leq$	><	><	5.3	
	14.4	46.5	24.1	7.0	1.6	• 5	• 5					100.0	5.9

ATO	HUMBER	OF	OSSERVATIONS	1	a	7	,

MOS

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NAVAL WEATHLICSERVICE OFTA: HMENT ASHEVILLE NO

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATSEGI, JAHAN	76-8	007
\$13.7 ION	57AT 100 MAGE	YEAM	9997H
		ALL WEATHER	D 7 NOVAL AL S T
		CONST ION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	:   20 - 33	34 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N	7.3	27.5	19.2	2.7	1.1	• 5				:		K0.4	6.2
MNE	7.2	5.5	3.3	1.1								12.1	6.5
ME	• `	2.7				I						2.7	4.6
EME						L							
1							· · · · · · · · · · · · · · · · · · ·					I	
286					·		· 						<b>-</b>
se			l 	<u> </u>		L	·	· · · · · · · · · · · · · · · · · · ·	<b></b>	+		<u> </u>	• •
226			ļ				· 			·		L	
		·		•			. 4	! •————	! <del> </del>	· •	·	1.4	21.3
35W		1.1	1.1	!		•	ļ	, 	·		·	2.7	10.4
		• *	1.1	ļ			<b></b>				·	1.6	7.0
WSW												<b></b>	<b>-</b>
w	<del></del>			<del> </del>					<del> </del>	<del></del>	·	+	2.0
WWW	1.1	<b></b>	<del></del>	<del> </del>		ļ	<del></del>		<del> </del>			3.3	8.8
HW		3 9	100	1.1		<b></b>	ļ	ļ	<del> </del>			\$ 3 · 3	6.5
HHW		2.7	2.7	1.1								1 - Y • 3	0.3
VAROL	k	<b>-</b>	<b>_</b>		<b>—</b>	<del></del>	<b>-</b>	<del></del>				4.5	<del> </del>
CALM	$\times$	> <	$\geq \leq$	> <	$\sim$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\sim$	$\sim$	$\sim$	1	
	16.5	39.6	27.1	6.6	1.1	1.6	•5					100.0	6.3

TOTAL NUMBER OF DESERVATIONS

182

NAVAC VICATORISTABLANCE OF TACHOTEST ASSECTED FOR

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

		174710							TEARS			'	rea Tu
	-				ALL .E	A THE S						#ÖV I	. ` <del>(</del> E (
	-				COM	DITIO B				_			
SPEED (ENTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥54		MEAI WINI SPEEI
×	• 6	2	27.4	₹.€	.3	• 3			<del></del>			1 22.4	6.
MME	3.4	7.4	3.2	1.7	• 3				1			15.7	6.
ME	1.	1.	1.4	. 3			,		1	+ — <del></del>		4.5	6.
ENE			·		·							1	
	• 7		<u>+</u>	•	• · · - · · · · · · · · · · · · · · · ·				!			• *	2.
123					•			·					
34				<u> </u>	1			:				1	
346										i		I	
3	• 1	• 3			• 3							1.C	7,
SSW			•	1.			!		1			1.7	10.
sw		•	• ,					i				1.0	7,
wsw	•											.7	7,
w	•											.7	7.
www	i •											1.0	1.
NW	. 1	1.7	• 3									2.3	4,
MW	1.	3 . E	5.6	1.7	• 3							12.2	7.
VAROL									<u> </u>				
CALM	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	2 • °	
	14.2	37.8	35.1	8.3	1.4	• 3						100.0	6.

TOTAL NUMBER OF OBSERVATIONS

298

NAVAL MEATHORICERVICE DETACHMENT ASHEVILLE NO

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	A STATE US CAN	77=97	VEARO	OCT
	المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب المراب	ALL RESTHER	=	ე€ 100 3€ (1. 5 €
		COMPLY NO.	rame t i transmission of the collection of the c	

SPEED (ENTS) DIR.	1 - 3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	: · 34 · 40	41 - 47	40 - 55	254		MEAN WIND SPEED
N		11.7	26.5	0.1	1.1				<del></del>			20.5	8.3
14146		4.5	7.6	5.3	. 4		:					20.	8.0
NE	T.:	1.1	1.	2.1						•	<b></b>	6.4	8.2
BNE	• •	• •	- 7									1.4	5.3
•		1.1					•					1.	3.4
626	•												1.5
54													
886							·		L	4		• 4	2.3
_ 3	• •	• -		. 7		. 4				•		2 • 1	0.7
85W				1.1	1.1	i 	·		ī ♣~			2.5	13.5
\$W	,	• •		. 4				···				1.4	5 • C
wsw	• '	• •	; • -——-	• 7				· · · · · · · · · · · · · · · · · · ·		·		1.5	7.4
			L	<b></b>					•			L	
WWW		• "						·	·			•	4.0
NW	<u> </u>	•		. 4					! 	! •		1.4	7.3
NOW		1.	1.	2.1									9.5
YARRA						Ļ							
CALM	><	$>\!\!<$	><	><	$>\!\!<$	$>\!\!<$	><	> <	$\geq \leq$	><	> <	1.	
	12.	22.5	35.6	27.6	2•5	. 4						110.0	8.0

TOTAL HUMBER OF OBSERVATIONS

293

NAVAL WEATHER BUSINESS LICENSESSES ASSESSESSESSES

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

A TANK GARA

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 35	≥ 54		MEAN WIND SPEED
N	1.	6.4	1.	11.4	. 7			:		<del></del>		30.4	9.4
NNE	1.4	F.4	1 • 4	3.6	1.3	. 4						23.9	6.8
NE	1.1	3.	4.4	1.1	!	, 		İ				10.7	7.0
ENE	• 7	?•1	7.1		. 4			T				5.4	6.9
ŧ	• 14	1.	. 4			!						2.5	5.1
256	1 • 1	1.1	. 4									2.5	3.7
SE							4		İ			. 4	3.6
358	1.1	2.	. 4	, 4			. 4					5.	6.9
\$	• 1	• 7	1	1.1	. 7		i					5.7	9.7
\$5W	• •	1.4	1.4	3.€		. 4						7.1	11.1
sw			L			. 4						• 7	15.0
WSW	•	. "				. 4						1.1	10.0
w												1	
WHW												I	·
NW			l					i		!		1	· 
MW	• •	. 7	1.6	• 7	. 4							3.:	5.1
VARM												I	Ī
CALM	><		><	><	><	><			><	><		1.4	
	• *	28.2	33.2	21.A	3.9	1.4	.4					1.0.0	3.5

3.0

NAVAS (KARIMERA) (1965) 1170-1651/ST Arminas (1966)

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SPEED (ENTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N		4.	7.7	5.3	1.1				1			17.2	9.3
MME		•	4 . ".	7.2	1.1			i				14.7	<u> </u>
NE		3.	r , 7	7.1	i	)						11.	7.5
EME	•	1.	1.	. 4	:				1			7 7.7	7.1
	• 1	1 . 4	4.	. 4					T			3 0	6.4
ese	•		?			Ī						. 6	6.6
¥	•	• !	1 • 0									3.	3.9
556		1.1	•	• 4								2 • 1	7.5
\$		?.	7	1.4	. 7							13.7	2.5
SSW				4.3	. 7	• 1•						1 10.7	15.4
SW			•	. 4	1.1	1	L	I				1.	15.72
WSW	1		•										14.0
w							I		I			#	
WNW				• •								• •	15.2
NW	•						L	I	I			F	1.0
MMW	•	1 • 1	1 • "	1 • 1		Ĭ						3.	
VARM							L				[		
CALM	><	$\geq <$		$\triangleright <$	><				$\geq \leq$	><	$\geq \leq$		
		, . , ı	35.1	20.0	4.7	. 4						175.0	8.4

TOTAL NUMBER OF OBSERVATIONS

200

Above and the second of the se

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL EATHER

PORTH 1 S

SPEED (KNTS) DIR.	1.3	4 • •	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	40 - 55	≥ 54	•	MEAN WIND SPEED
N	1.4	7.7	1.4	7,0						•		13.3	4.2
MME		7.	7.	1,4	1.							11.	7.5
NE	1.	7	1.									5	6.2
INE		3.	1.	. 7								6.3	5.9
	2.	7.1	1.7	<u> </u>	•	•			· • · · -	•	•• • • • •	7.7	<u> 5.2</u>
131	1.	• -	<u> </u>					<b>4</b>	•	· · ·		<u>. 20 "</u> .	5 • 3
		<u> • 3</u>		•	• •	i •			1 -	•		$\frac{1}{2}$ .	2.3
152	<u> </u>	. • -	• _=· -·	· · · ·	•	ļ		•	= .	L .		<u>, 1.47.</u> ,	4
	<u> </u>	. 4, 3	<u>. 1. '</u>	🚅	<u>, <del></del> .</u>							+- <del>2•4</del> -	5.4
ssw				. <u>1.4</u> .	•3 .	<b>←</b>			•				6.0
SW		<u>. 3.1</u> .	<u>, l.</u>	. يُعد - ـــــــــــــــــــــــــــــــــــ	•	·		<b>+</b>		<b>+</b>			4.6
M2M	<u> </u>	104	• ·	· · : -	•	·	·	+	·	•			4.9
w	<u> </u>	•	• · · · · · ·	<b>+</b> ~~ -		: 		<b>*</b> ***** * * *	<b>.</b>			1.	2 • 3
WWW		·	+	·	• • • •	+ ·- ·		+	• · ·	<b>.</b>	• • • • •	•	6.3
NW		<del></del>	<del></del>	2.1	·	·		•	•	•	•	<u>. 3</u>	
VARSL	•	k antonia	1 .	∔ " <b>=</b> * † .	<u>+</u>			<del></del>		<del>-</del>	• · · · · · · · · · · · · · · · ·	• • • •	
		<b>-</b>	<b>ト</b> 、フ	<del></del>	<b>*</b> :>	×->		<del> </del>	·	<del>~</del>	حرز بما	7.:	
CALM	$\sim$	_×_	_ >< _	$\geq$		$\sim$				$\sim$	~		
	2 7.	34.5	20.	11.8	2.1				1			170.0	5.9

TOTAL NUMBER OF OBSERVATIONS

2 = 7

940

NAVACABA MENERALA ETAGAMENTA AMERICANA PERCENTAGE FREQUENCY OF WIND

### SURFACE WINDS

11

### DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

YEARS ALL SEATOR

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56		MEAN WIND SPEED
N		1 • •	1 .	1.	. 7		• 4					30.1	5.4
NNE	Ĭ•	[	•	?•	• 4				Ĭ •			14.2	€.7
NE	1.		· •					<u>.</u>	L			2.	<b>.</b>
ENE	1 • 1	•									_	2.1	3 • 6
ę												1.	4.5
ESE	•	• •										• •	3.
SE				• "								1.1	· . :
558	1.			• •		• · · · · · · · · · · · · · · · · · ·			•			i i i i	- 3
5	7	1.1	1.1	. 4								3.3	5.5
\$5W			• •	•	• •					•		3.3	3.7
sw		1.	• •	. 4	. ~ -							7 2.7	5,7
WSW		1.1								•		1	4.5
w	Ī	• ···· :				•		•		•	•	•	
WHW						•		• —		•		<b>*</b> • 7 )	₹,5
NW	7.							•				6.	3.5
NNW	• 1	4 . !	5.	1.1		•		•	•	•		17.7	5 . 4
VAROL	Ī	Ī	i - ,		 L	• · · · · · · · · · · · · · · · · · · ·			•			1	• - •
CALM		><					>>′(				>	P. 7	
	25	35.0	22.3	7 . 1	1.9	, u	. 4	1				110.0	5.6

TOTAL NUMBER OF OBSERVATIONS

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	A SALE JAPAS	; t=0;	YSARS	OCT
	and the second s	ALL EATHED		ALL
		COMBITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥34	1	MEAN WIND SPEED
N	4	14.4	13.4	5 . 2	.7	• 7	• • •					38.5	7.3
NNE	• 2	5.6	5.1	2.6	.7	• -	.1					16.2	7.6
NE	1.1	2.1	2.7	• 0					!			6.2	6.9
ENE		1.1	•	• 1	• 7		•- · • · · · · · · · · · · · · · ·		[			2.5	6.1
ŧ	1	1.	1.1	• 1								3.1	5.4
ese	•		• "									1.7	5.3
34	• .	• 4	. 7	• 1	:				1			• 9	5.2
336		• 4	• 1	1 • ?	,		• -		İ	1		1.5	6.1
3	1.1	1.7	1.4	. 7	• 3	• 1	•		1	T		5.1	7.9
SSW		1.	• ^	1.6	. 5	• 1			<del>,</del>			5 • 7	9.6
SW	1	. 7	• •	• 2	. ?	• *	i —	1	]	1		2.7	7.4
M2M		, Li	.1		• 7	• ^						1.4	6 • 5
w	•		1		:							1	4.4
WWW	. 7	• 1	1						1			1	3.7
HW	• -	• 4	. 4	• 1				!		1	1	2.2	5.0
MAN	1.	2.	3.3	1.4	• 1			·			1	e . 3	7.4
VARBL	Ī	Ī						1	I	i	Ì		
CALM		><	> <	$\geq <$	><	><	><			$\geq \leq$		4.1	
	1 .4	33.3	30.4	13.5	2.5	• 6	• 2					1 10.7	6.9

TOTAL NUMBER OF DESERVATIONS

2072

NAVAL SEATHER GROVED OF FACHMENT ASHEVELLE NO

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	76-45	NCA
\$1411 <b>9</b> 0	\$1819 <b>0</b> 8485	YEARS MORTH
	ALL - EATHE "	10 mont (t p +
	*****	
	CDROTTION	

SPEED (ENTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40 	41 - 47	40 - 55	≥54		MEAN WIND SPEED
N	1	21.1	17.7	2.9	• 6						<del></del>	54.0	5.9
MME	1.	7.	3.4	.6		:		1				3.5	6.2
ME		1 . 1	• /						1			1.7	6.0
ENE	1	1	1			1	<del></del>				•	1.7	6.7
t	Ť		•	• · · ·	•	·	•	,	<del> </del>	<u> </u>		• 6	10.0
ESE			<del> </del>	!		,							
52		1	<u>†</u>	1	•				1		•		
55E		• ·					•	•	•	• · - · ·	•	- 5	3.0
\$	1	• ′	•6	• *			•	•	• - ·	•	•	2.5	6.2
\$5W		1.1	1.1	.6	.6		•	<b>†</b>	<u> </u>			3.4	17.8
sw	<b>,</b>	• • •	1.1	<u> </u>			•	•	1	•		1.7	7.0
WW	1	<b>+</b>	1	<u> </u>	•		<del>•</del>		<del>†</del> -	<del></del>	<b>+</b>		
	1.1	<del>*</del>	† <del></del>	•	•		<b>†</b>	1	1			1.1	1.5
WWW	1	•	<b>†</b>		<u> </u>			<b>†</b>				• 6	4.5
NW	1.1	1		1	<b>+-</b>	† · · - · <del>- · · · · · ·</del>	<u> </u>	•	<b>+</b>		†	1.1	3.C
HMW	7.4	7.4	2.7	. 6	+			+ <del></del>	<u> </u>	1		14.3	5.3
VARIOL	<b>1</b>	1	1	<u>†</u>	i		1	•	İ	1	i	1	
CALM	><	$\supset <$	$\supset <$	$\supset <$	> <	><	><		$\supset <$	><	><	6.9	
	1.1	36.6	28.6	5.7	1.1							100.5	5.6

TOTAL NUMBER OF DESERVATIONS

175

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	8 S. J. J. J. P. A	76-43.	NOV
	ALL	» E A THE F	O ?
		OREST DE	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥ 56	*	MEAN WIND SPEED
N	• 1	27.1	11.6	5.0								53.6	6.1
MME	. 4	4.0	4.3	1.1			1			:		15.6	5.6
NE		• 1	1.1									2.2	5.5
ENE		•					<b>+</b>					• 5	4.0
E					1				1				
138	1									,			
Ħ					:				1				
382													
8				1.1			1		1			1.1	12.5
SEW	•		1.4									2.7	5.8
\$W		. •	1	• 5		1	1		I			1.1	10.5
wsw				1					1				
w		•										• 5	4.0
WWW	•			I								• 5	1.0
NW	•	1.1					I					1.	3.3
MMW	7.	4 . 1	2.7	I								10.8	5.5
YARM													
CALM	> <	$\supset <$	$\supset <$	$\supset <$		$\supset <$	><	><	$\supset <$	><	> <	9.7	
	1 . 4	36.5	25.4	9.6								170.0	5.4

TOTAL NUMBER OF DESERVATIONS

196

NALAL WEATHER SERVICE OF TAKING NAT ASHESILE NO

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ATT USI . UA. AT	/ 7 = C ; YEARS	NOV				
		ALL SEATHES					
CONDITION							

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$4		MEAN WIND SPEED
N	1 . 3	21.1	15.5	7.1	. 7			·				51.2	5.6
NNE	`•	4.3	3.5	.7	. 4		·					13.7	5.9
NE	1."	1.	• 7	. 4								4.2	5.3
ENE	• 7					:						. 7	2.0
ŧ	<b>.</b>							1				I	
<b>23</b> £	• •	!										. 4	1.0
30	• 4		•4		i				1				3.5
55E	Į.					1						1	
3	• "	. 4	. 4	. 4		1	• 4	1	<u> </u>	1		1.5	11.8
ssw		• *	• 4	1.1								2.1	9.3
SW		i	• ·	. 4								•	11.5
wsw	I		•									. 4	9.0
w				ĺ			Ī		ĺ			I	
WNW	• 7	. 4										1 1 1	3.€
NW	1.4	1.4										2.	3.3
NWW	1.	A	3.5	1.1	. 4							12.7	6.8
VARBL												I	
CALM		$\supset <$	><	><		><	$\geq <$		><			7.5	
	27.2	3 .0	25.0	6.0	1.4		.74	i		ĺ		100.0	5.6

TOTAL NUMBER OF OSSERVATIONS

294

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

 1751751 JAFA:	7.7 = 12.7	NOV
ALL ,E	ATHE?	C C
Com	Di 1 (b)	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	. 20 - 33	34 - 40	41 - 47	40 - 55	≥ 54	1	MEAN WIND SPEED
N	2.7	14.3	19.5	6.2	1.1			<del>.</del>		<del></del>		44.1	7.6
NNE	7.4	1: • 3	5.1	2.9	. 7		1			:		71.7	7.1
NE	• '	2.2	?.2									5.1	6.3
ENE	1.1	• •	. 7			ļ			1			2.5	10 C
ŧ	• -	. 7		•		!	*				• · · · _ · · · ·	1.1	4.3
256	- 4	!										1	2.0
\$1						!			i			34	3.7
360	• *	. 4								<del></del>		7	3.5
8	• 7			. 4		i			1	<del>,</del>		1.1	6.3
SSW				1.1	. 4	. 4		Ī	I			2.2	14.8
\$W	•		• '	. 4		, ,	,		Ĭ	Ĭ		2.4	11.3
WSW										I		I	i .
w		•										. 4	5.0
www			• •									. 4	9.7
NW	1.	. 4	1	. 4								2.2	4.7
NWW	1.1	2.7	3.3	2.2	, 4					1		9.2	8.5
VARM										1	İ	I	·
CALM	><	$\times$	$\times$	>>	$\times$	> <	><	><	$\times$	><		5.5	
	17.	32.	32.0	13.6	2.6	1.1						1.70.3	7.1

TOTAL NUMBER OF DESERVATIONS

27

SOME

NAVAL WEATHOR ERECTS
CETALOMENT
ASHELLECTIVE

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

 STATION AND STATIO	1. 7. + 2.	
	ALL REATHER	17
	cellulyan	

SPEED (KINTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	) ; *	MEAN WIND SPEED
N		5	1 .4	7.4	1.5	• 4		<del>,</del>		<del></del>	<del></del>	25.2	10.3
MME	• 1	• ?	1.0	3.7	. 4		1	1				19.3	5.4
ME	•	5 . ?	4.5	1.1		:				•	•	11.5	7.4
ENE	1.	1.5	1.1	. 4							•	4.4	5.1
ŧ	: 1	1.1	• 7			l		,	1	,	•	3.0	4.8
ese	• •	1.									:	1.9	4.6
\$4	: • 1	1.1	.4							<u> </u>		2.1	4.3
96E	• 1	2.2	i				1					3.3	* • C
\$	: • 1	2.	2.4	3.				•	1		:	9.3	5.4
SSW	• 1	• •	2.7	3.3	1.5	. 4	. 4			•		6.5	13.3
sw			• •	1.1	1.1		1	i			;	3.3	14.8
wsw										1	1	1	
w				. 4			Ī		1	1		. 4	15.0
WWW												I	
NW										1	1	1	
HOW		• •	2.2	1.5	.7		I			1		4.3	10.8
VARIOL										I		I	
CALM	><	><		$\supset <$	> <	><			$\supset <$	><		2.4	
	. 5	21.7	34.1	21.9	5.2	, ,						190.0	8.7

TOTAL NUMBER OF OSSERVATIONS

270

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

gTA 7 ( <b>Qu</b>	ATC: 31 g JAPA:	73-A <sub>4</sub>	YEARS	NC V
		ALL JEATHED	- The section of the	15

SPEED (KHTS) DIR.	١.,	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥34	*	MEAN WIND SPEED
N	•	4.7	9.	5.1	1.1	. 7		1			·	20.4	9.7
HANE	1.1	3.4	Ę • ¢	4.	.4					1		14.5	6.8
ME	1.1	3.	4.4	1.1						1	:	10.2	7.0
8946	• 7	1.	7.				•					5.1	6.3
•	1.	1.5	1.1			!		1			:	4.7	4.8
250		1.	2					1				3.6	6.7
98	. 7	1.5	1.3								:	4.5	5.6
161	• 7	1.0	. 4						1			2.9	4.8
3	1.1	4.	5.1	3.3								13.5	8.0
SØW	• •	2.5	3.3	2.5	. 7						:	9.5	9.3
\$W			. 7	1.5	1.8	. 4		1				4.7	15.4
WW				• 4	. 4			1				.7	16.5
w				• 7					I	Ì		1 .7	12.5
WWW		• 4					1		1			• 4	4.0
NW			• 4	. 4								. 7	12.0
MM		. 4		1.1	. 4							1.0	12.8
VARM									I	I			
CALM	><	$\supset <$	> <	$\supset <$	><	> <	$\supset <$	$\supset <$	$\supset <$	><		2.5	
		27.6	35.6	20.0	4.7	1.1			}			100.0	8.3

TOTAL NUMBER OF OSSERVATIONS

NAVAL WEATHER JEHNICS OFTAL HMENT ASHEVILLE NO

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	FISHSI, JAHAN	73-9:	NOV
87 A 7 1800	STATION MARK	YEARS	##RT#
		CATHE2	1 9
		(LASS	00VES 14 5 7
	a	MPHT100	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54		MEAN WIND SPEED
N	• 1	12.4	C . C	2.9	1.1		İ	1				7C.7	7.0
14146	1.	6.2	3.5	1.5			1					13.1	6.8
NE	1.	1.0	1 • 1	1.1								5.5	6.1
ENE	1.	2.2	• 7			)						4.4	4,5
	1.1	2.2	• 7	1		1				1		4.7	4.7
ese		1.5				[				,		1.2	4.6
34	• 1	1.1			·		!	:				1.3	3.0
356	1.1	• 7						•		1		1.5	3.4
\$	•	1.1	1.6		. 7			:				4.7	3.4
35W	1.	2.7	1.1	2.2			1			,	<b></b> -	7.3	7.1
sw	1.1	1.1	. 4	.7	. 4			·		1		3.5	8.
wsw	• •	. 7	• *	1.5				!		1		3.6	7.9
w	• '									· · · · · · · · · · · · · · · · · · ·		. 7	2.1
WHW						1	·		†			-4	3.0
NW	• /	• 7		. 4				1	• · · · · · · · · · · · · · · · · ·	1		1.8	5.
NOW		2.5	2.2	1.€								6.4	8.0
VAROL	1	<u> </u>				1			• <del></del>		<u> </u>	1	
CALM	><	$\times$	$\times$	$\sim$	> <	$\geq$	$\times$		$\times$	$\times$		8.4	
	. 0.0	36 • D	21.5	12.0	2.2							100.0	6.

TOTAL NUMBER OF DESERVATIONS

2

MANAY WEATHER SCHOOL OF TACHMENT ASHENITE NO

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

• •	501 61, J48A0	/ <b>5 -</b> α ~	NO V
STA 1 100	STATION NAME	YEARS	80074
		L REATHER	21
	THE R. LEWIS CO., LANSING MICH. LANSING P. LEWIS CO., LANSING, P. L. L. L. L. L. L. L. L. L. L. L. L. L.	CLAMO	HOURS IL S.T.
		CO03/17100	

SPEED (KNTS) DIR.	1 . 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$4	<b>*</b>	MEAN WIND SPEED
H	• 0	13.	14.7	4.9								79.1	6.7
MME		4.1	5.4	1.5	. 4							14.3	7.1
MĒ	•	2.3	. 4	• ti								3	5.1
EME		• 14	, u	Ĭ								1.1	4.3
	. 4	. 4				I	·		<u> </u>			· · ·	3, 2
626		<u> </u>			!	I	-					I	
u												• •	3.0
25E		•				Ĭ				<b>.</b>		. • •	4.
5	•	• •	. 4				L	· 	· 	: •		1.	3.6
58W	۰۷	1.1	1.1	1.5		[	I		1	1		4 • 1	7.9
SW	• •	, ł,	. 4	. 4								1.5	7.3
WSW	• •	• 4	• -	. 4		Ī		1				1.7	7.4
w	• 1			. 4								1.1	6.7
WWW	• 1											1.	4.4
NW	•	3.		. 4								7.1	4.1
NOW	1.	6.	5.3	1.0				I				15.3	6.5
VARIL										I			
CALM	><	> <	><	><	> <	$\geq$	$\geq <$	><	><		><	1 4 3	
	1' • 2	33.	29.7	11.7	. 4							190.0	6.1

TOTAL NUMBER OF OSSERVATIONS

256

9MO6

MA CAC WEATHER REPORTED AT HER WOLLD

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	ATC .I. JAPA.	73-°.	NOV
STAT #800	STATION NAME	YEAP	EGE ( K
		ALL FATHES	ALL HOUSE ILST
		CARD: 1/09	

SPEED (RNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 · 40	41 - 47	40 - 55	≥ 54		MEAN WIND SPEED
N	5.	17.5	13.4	4.7	. 9	•1	<del></del>					78.7	7.1
NNE	• •	5.6	5.1	2.1	• 3							15.4	7.2
HE		2	2.	- 5				1				5.7	6.5
ENE		1.	•	• 1							•	2.7	5.0
		•	• ti	•								1.9	4.8
ese	•	•	• 7									1.1	5.3
SE	•	• *	. ?									1.3	4.6
388	• 1,	• 7	• 1	1		!						1.7	4.2
8		1.2	1.4	1.1	• 1		• ^		1			4.6	8.1
\$\$W		1.1	1.3	1.6	. 4	• 1	• ``					5.1	10.0
sw	•	. 4	· L	• 5	. 4	• 1		[	Ī			2.5	11.6
wsw	• 1	•1	•	• 3	• ^							• 9	8.8
w	•	• 1		• ?					i .			1 .5	6.3
WWW	•	• 1	• 1									• 4	4.0
NW	1.	• '		• 2				· · · · · · · · · · · · · · · · · · ·				2.2	4,4
New	1.2	3.4	2.4	1.3	• 2	I			Ι	[	I	9.2	7.2
VAROL		I	I				I	I	I	Ĭ			
CALM		$\supset <$	$\geq <$	$\geq$	> <		><		$\supset <$		><	5.5	
	1 .1	33.3	29.2	12.9	2.3	. 4	• 1					170.0	6.7

TOTAL NUMBER OF DESERVATIONS 2003

2

NAVAL WEATHER JESTING OFTAGOMENT ASHEVILLE NO

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

OFF STATION HARD S

SPEED (KNTS) DIR.	1.3	4 - 4	7 - 10	11 - 16	17 - 21	22 - 27	· 28 - 33	34 - 40	41 - 47	44 - 55	≥ 94		MEAN WIND SPEED
M	• .	100	11.7	7.3						·		43.7	5.7
MME	1.	7.3	7.	1.7	1							4.3	7.4
ME	•	i		. 7								2.	4 . 8
ENE	• ,		<u> </u>									. 7	2.5
F	• 7											. 7	1.5
ese			Ĭ			Ĭ							
S.E							A						
SSE				L					·				
\$			I				•	•	·			I	
SSW		1.			• 7	T		•	I -			2.0	7.3
sw		• 7	• -	• 7								2 • ∷	9.7
wsw		• 7		4			-   	·	·			1 • ?	3.5
_ w		١.	• 1	L			! <b>∳</b> ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	·	Ī		·	2.5	5.7
WWW	,	• 7		. 7			<u> </u>	!	T			2.5	7 • 3
NW	1.	3 • 3	. 7			<u> </u>	<u> </u>		I 		•		4.3
NWW	3.3	3.0	٠.	, ,			1	<b>.</b>				16.3	5.7
VARIA													
CALM	$>\!\!<$	><	><	$\geq <$	$\geq \leq$	$\geq <$	><	$\geq <$	$\geq \leq$		><	8.6	
	1 3	41.1	22.	7.3	. 7							1.0.7	5.4

TOTAL NUMBER OF OBSERVATIONS

10

NAVAL MEATHER DESCRIPTION AND ASSESSMENT OF THE SECOND ASSESSMENT OF TH

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

TATION STATES NIME

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	   41 · 47 	48 - 55	≥ 56		MEAN WIND SPEED
N	11.3	1	F . *	4 . /	:					·····		42.7	5.5
MNE	. 7	5.3	2.7	7.3								16.7	6.0
NE	1.	ĺ	• 7	1	·			:				2.0	4.3
ENE	1.											1.	2.5
ŧ		•	1		•	· · · · · · · · · · · · · · · · · · ·	•					1.	2.5
135	1 .			•									
SF													
SSE				1									
\$	II .												
15W	T		1.		. 7				·			2.5	11.7
SW		1		7	•			1	I	L		1.	15.5
wsw	1	1	• 7	• • • •								2.0	7.7
w		1.	•	. 7	1		i				4	2.7	8.5
WNW	I	• •					i_	T	I	1		1.	P • €
NW		2.'		i			L		·		L	5 . 3	3.9
NNW	• 1	4.7	4.7	. 7			I	Ĭ	I	1		13.7	5.7
VARIEL						Ī	I			I			
CALM						><				><		t • 7	
	٠.٥	34.0	19.3	10.7	1.3							1 0.C	5.4

TOTAL NUMBER OF DESERVATIONS 1 T, 7

Ten Ac est Albert on Cons Little 1885 188 April 1886 1886 1886

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

| COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | | COMPITION | COMPITION | | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COMPITION | COM

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47 - 48	55 ≥54		MEAN WIND SPEED
N		17.	11.	•	• 4						-1.	5.2
MME	• 6		4.4		. 4		•	•			1.	5.5
NE	1.7	1.2		•		•	•	· • · · ——				3.7
ent		i •	•	4							•	3.
			•	· • · · ·	•		•	· •	*			2 • -
ese			<u> </u>	·	•	• • • • • • • • • • • • • • • • • • •	·	·	•	•		4
\$ŧ		•	 ◆		•	i	•	•	• •	- +-	•	
348		•	· •						• . •		*	
	·	•	: *		•		•	·	•	. •	•	12.7
SSW	: ≱ - =	• • • •	1.	<b>4-</b>	· • • • • • • • • • • • • • • • • • • •	: •	•	<b>.</b>	•		2.4	12.7
\$W		·	<u> </u>	<u> </u>	· ·		<b></b>	· 	<b></b>			_10.T
wsw		<u>• ·</u> .	. 1		· · · ·	ļ	: •	<b>.</b>	<b></b>		1.5	. 3.3
	· ·	• - <del>- • •</del> -		• 4	•	Ļ	: 		<b>↓</b>		1.	
MMM	102	1.2	·	<u> </u>	: ♣=125 === 100000		<u>.</u>	÷	• = <del>-</del>		″ 5	. *• -
. NW	• 11	- 2.	+		·	ļ	<del> </del>	·	•	-•	3.	. 4.3
NHW	•	1.0	<u> </u>	ļ <del></del>		ļ 	<u> </u>	<b>.</b>			13	. 5.4
VARM		<b></b>	<u></u>		<u></u>	 		<b></b>	<b>.</b>	- <del></del> .	نيار نسد	•
CALM	><	><	><	$\geq \leq$	$> \leq$	> <	$\geq \leq$			$\leq$		
	22.	40.5	22.0	4.0	1.6						100.0	5.2

TOTAL NUMBER OF OBSERVATIONS

200

**SMO**S

SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL SEATHER CLASS

SPEED (ENTS) DIE	1 - 3	4 - 6	7 - 10	- 11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47 - 48 - 55	≥ 56		MEAN WIND SPEED
<u>N</u>		10.0	1:.*	3.€	1.7	4					42.4	6.6
NNE	1 1	4.		1 • 5							1 - 1	€ • 2
NE	- , ,	• 1	1.				_				6.0	4.8
EME .	•	1.0		• 4						·	3.1	4.5
		• • • • •		•	• • • • • • • •	•			• =•		• 1	3 • C
ESE			•	•		•		•	• • •••	•	·	•
w	•	·	<b>.</b>	•	· • · -	• •			• • • • • • • • • • • • • • • • • • • •	•	<u>.</u>	2
556	•	•	•	4	•	· •					<u> </u>	7.
1	•		•	•	4	<b></b>		• .	• • • • • •	•	2.3	. 7 <u>•2</u>
ssw	• •	• -	·			: •			•=		$\frac{1}{2}$	6.3
. sw	-	•	<u>, '•<u>?</u></u>	• 1		·	<b>.</b>	•	: ••		<u> 2•7</u>	14.
wsw	<b>.</b>	•		•	<b> </b>	<u> </u>	•	• -	• • • •			. 11•
w .				<b>.</b>		·		<b>.</b>			•	. 4.1
WHW		<u>•</u>	•	; •		<del>.</del>			:	<b>.</b>	# <u>1.• 2</u> .	. 9.3
NW	· ·	•	•	••4		·		<b>.</b>		•	2.3	5.2
HOW			?•.	•		•		<b>-</b>	· • •	•	. 6.5	. 5.1
VAROL	Ļ	<del></del>	· · · · · · · · · · · · · · · · · · ·	! 		Ļ	ر ر		i		† <del>7.7</del>	
CALM	~ _	$\searrow <$	><	$\geq \leq$	$\searrow \le$	$\geq \leq$	$\sim$	$\sim <$		- Sec. (	<u>, →•7</u>	
		35.1	2.	2.5	2.7	!					1:5.7	5.8

TOTAL NUMBER OF OBSERVATIONS

MALAL AND STREET STATE

MANACERATOROGORICA: ETA OMENT Abbrigger No

#### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION NAMES

ALL EASINE
CLASS

CONDITION

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	:   22 - 27	26 - 33	34 - 40	· 41 · 47	40 - 55	≥ 34	•	MEAN WIND SPEED
N	1.	5.1	4.1	€ ''				<del></del>	<del></del>			10.5	7.8
NNE	i i			2.7	1.1					•		17.2	ς
HE		r, .		1.9						• <del></del> ·		14.3	6.5
ENE		7.4	1.	*			•		T	•		7.7	4.9
	1.	7.3		• =	•					• - · ·	,	4.2	3 . 6
ese		• ′	• 4									1.00	4 . 6
58		•	• 1			1						1.5	5 . 3
352	1.	1.		. 4	!	1			+			3.	4 . 6
8		2.3	? • 4	• *	. 4	1			···· — ·			7.7	7.0
15W	I •	1.	1.1	•	. 4	. 4			<b>7</b>			4.6	₹ .
SW	1		1.1	2 . 3	1.1	• 3		1	Ī			5.7	15.
wsw		•	1.1	•	. 4				Ť			3 . 1	10.0
w	•	, I,		1		I		I	1			1 1 1	2.
www			•	I				I	I	Ī			1 .
NW		•	I	I			L	1				I	4 .
HHW	•	ب و	1.	• P				<u> </u>	I			3.1	
VARSL			I			1			1	1		I	
CALM		$\supset <$			> <		><				><	4	
	1 .4	31.0	31.4	15.3	3.4	1.1						1'0.0	7.5

TOTAL NUMBER OF OSSERVATIONS

2+1

\*\*\*\*

And An Granter of the com-order of the setting of the Atomorphisms of the

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL LEATHER

SPEED (KNTS) DIR.	1.3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	. 41 - 47	44 - 55	≥#		MEAN WIND SPEED
М	. 1	1.1	· • ?	2.4	. 4	. 4						10.3	9 • 5
NNE	I	u 🔒 f.	4.5	7.4	. 7				[			13.	9.6
NE	•		3.7	1.1					1	•		10.1	7.0
EME	T	2 • :	7.	. 4		·			Ī			9.2	5 • 6
t		•	1.1	1					I			9.4	4.7
ese		2.2	•						T ==			4.5	4 . 3
SE	1	1.1	1.		1				1			4.1	5.6
554		?•	1.1	. 4						1		4	5. A
\$		2.2	• 4	1.0	. 7							13.2	8.9
SSW		4 • 1	• 7	3.	1.7			;				10.1	10.7
SW				7.	.7		<u> </u>	1				4.5	15.1
WSW					l	Ī		·					
w		. 7	• •				,	1		1		1.3	5.5
WHW				• 7	. 4					]		1.1	14.7
ww	I				1	1	1	1			)	. 4	F.5
NOW		• 4	• '•	. 4	,							1.5	9.5
VARBL	Ī			Ī			Ĭ	Ī	1	1		I	
CALM	$\supset <$	> <		$\supset <$	><		><					1.1	
	1	17.7	31.	16.5	4.0	1.1						10.7	7.7

TOTAL NUMBER OF OSSERVATIONS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

\$141 <b>404</b>	27-10	DEC.
	ALL OF A THE O	NOVES (L S T

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	· · 40 - 55	≥54	1	MEAN WIND SPEED
N	• `		7.8	1.6	1.1							22.4	7.1
NNE		٠ . 6	4.	1.5	. 4							13.3	7.3
NE		2	1.1	1.	1		•					5.3	7.4
ENE	1.	2.2	. 7	. 4	:							5.3	4.5
ŧ		2 • '	. 12	•		1			Ι			4.	3.7
ESE	. 4	1.1				I				1		1 • 5	3.5
SE	• 7	1			i	[						. 7	3.2
SSE		1.		. 4						Ī		2.2	4.8
8	1.	1.0	• ;	• 7	· u				1			5.2	6.1
SSW	1.1	1.5	1.	2.7		1			I	1		6.3	8.1
sw	, 7	• 7	7.		. 7	I	L		I			5 • 2	8.2
WSW			1.	1.1		Ĭ			1.	1		3.5	9.6
w	•	. 4		. 4								1.1	7.3
WWW	1.1	. 4							I			1.5	3.0
NW	• 7	1 • *	• 4	. 4	I		I				1	3	۲.3
MMW	1.1	2.1	. 4	1.1	I					i	[	5.2	6.4
VARM		I	I	I									
CALM	><	$\supset <$	><	><		$\triangleright <$	$\triangleright <$		$\triangleright <$			13.3	
	1	24 - 1	22.2	11.9	2.6							100.0	5.8

TOTAL NUMBER OF DESERVATIONS

NA LAC VICA HIGH CONCORDA LACE HOMENT ASHELL CALLS

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	STANSIA JAKAN	73-37	020
\$74 F###	STATION BARS	YEAR	-
		ALL VEATHER	21 ************************************
		CORDITION	

SPEED (KNTS) DIR.	1 - 3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56		MEAN WIND SPEED
N	. 7	14.	7.1	1.7							:	70.0	5.6
NNE	. 1	• 7	5.4	1.7	. 4		1	1		* <del></del>		16.2	6.9
NE		7.1	2.1									5.7	6.5
ENE		• :		:		!						2	5.5
				•			•			<del> </del>		]	
ESE	• •						•	1	1				2.0
SF				•	· · · · · · · · · · · · · · · · · · ·								
554	•		1				•	•	1	<del> </del>	•	*	1.5
8	• /	· u	1					<u> </u>	1			1.	3.0
SSW	•	• •	•	1.7	• •		:					4.2	3.5
\$W		•	•	1.2		i	1				•	2.1	11.2
wsw		1.2	•						1			2.1	5.8
w	• 2		1.		!						• <i>-</i>	7.5	5.1
WNW	• 1	1.3									·	3.3	3.1
NW	1.2	2.5	!	1								3.7	3.9
MW	. 4	0.3	1.2	1.2	. 4							16.7	5.0
VARM			i	<u> </u>	i				1			1	
CALM	><		><	><	> <	$\supset <$			$\supset <$		><	8.3	
	22.	47.0	20.4	*.1	1.7							100.0	5.3

TOTAL NUMBER OF DESERVATIONS

<u>ئات</u> 2

NAÇAÇ MEM HERE EZ VOLE ÇIÇTIN DIMENT AMBEÇIÇE NO

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ALL REATHER COMMITTEE COMM

SPEED (KNTS) DIR.	1 - 3	4 · •	7 - 10	11 - 16	17 - 21	22 - 27	20 23	34 - 40	, 41 - 47	40 - 55	≥ 54		MEAN WIND SPEED
N		12.6	8.7	2.0	. 4	• 1	:	,		<del> </del>		73.1	6.3
MME	. 3	•	F . 7	2.7	• ts		1					16.2	7.1
NE	1.4	7.t	7.						I .	•		6.7	6.4
EME	1."	1.4	. 0	• 7	!	1			1		•	4.0	4.9
· ·	1.1	1.	• -	1		[				•	• -	3.0	4.0
145		• 6	• 7			1				1		1.2	4.1
34		• •	• 1		1					1		1.5	5.1
552		•	• 7	• 2					Ţ	T		1	5.1
\$	,	1.	1.	. 5	• 3						•	4.4	7.8
SSW	••	1.3	• /	1.1	. 6	• 1		[			•	4.4	9.9
\$W	•	• 7	1.7	1.1	. 5	• 2	;	,		Ī	•	3.2	12.6
WSW		. 4	•	. 4	• 1			:	•		•	1.7	8.4
w		• '	.4	. ?	1						•	106	5.7
WWW	• 1.	• 4:	• 1	• 2	• 1					Ī		1.	5.9
HW		1.	•	• 1			1				•	2.7	4.7
New	1	7.0	2.5	• 6	• 1						• · 1	8.9	5.8
YARR	I			Ī				I .		Ī -	1	I	
CALM	><	><	> <	> <	><	> <	><	> <	$\geq <$	$\times$		7.5	
	1 . "	35.7	25.1	10.4	2.5	. 3						170.3	6.1

TOTAL NUMBER OF ORSERVATIONS

1950

SMOS

NAVAL WEATHER SERVICE OF TACHMENT ACHEVIELE NO

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	STSHUI, JAPAN	73+92	4 L L
974 T 100	STATION WAR	YEAR	90N7#
		ALL SEATHES	ALL
		Chaptring	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	   11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	1 : •	MEAN WIND SPEED
N	7.	. 4	~•	4.1	٠	• 1	•				· · · · · · · · · · · · · · · · · · ·	26.5	7.2
NNE		4.7	4.7	1.9	• ?	• ~	• ~	:		•		12.4	7.3
NE	• -	₹.	1.7	. 7	• [			:			<u></u>	5 - 3	6.5
ENE	•	1.7		• :	• *							3.2	5.7
e	•	1.3	•	• 7	•		•	1				3.2	5.4
ese	•	• 7	• -	• 1		•		<u> </u>			·	1.7	5.3
5.0	•	• '	• •	•	• ^	•	:					1.4	5.0
558	•	1.	• '	• •	• 1	•	•	7.€		<u>-</u>		2.	6.4
5	1.	₹•.2	£ .	4 . 1	1.	• î	• 7	• 0				15.5	7.3
SSW	•	1.7	2.5	7.7	• 9	. ?	• 1	• 7				8.3	10.3
SW		•	• '	۰ ۹	. 3	• !	•	. C		:		3.	\$.9
wsw		• ;	• 7	• 7	• ^	•						1.3	7.3
w	•	• •	• 1	.1								7	4 . 8
WNW	• •	• `	• 1	• 1	• િ			1			·	Ţ.,	4.5
NW		• '	•	• !	•	• "		 				1.7	4.8
NWW	• ?	?•	1.7		• 1	• ",		,				5.	6.5
YARRE												I	
CALM	><	><		><	$\geq <$	$\geq <$	><		$\geq \leq$	><	$\geq <$	6.1	
	15.7	27.4	21.4	16.7	7.3	٠٠	• 1	• 3	• 7		i	100.0	7.1

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

AN JOR VSEY 1/2 TO 2+1/2 MI W/CIG 200 FT 01 MORE

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	: ≥54		MEAN WIND SPEED
N	. 5	12.4	12.2	6.9	• 9	• "	• 1	<del></del>				16.4	7.4
NNE	•	5.4	3.0	1.2	• 1		• ()					13.3	6.1
NE	1.	1.	1.1	• ?	• 0							4.5	5.2
BNE .	• 1	•	. 4	• 1								2.3	4 . 8
	. 7	• 7	• 7	• 1								1.7	4.
186	• 4	• 3	• *	• 「		• `						• 9	5.
SE	• 1	. 4	•1	•	• ~	• ^			I			1.	4.
356	•	• 7		• 2	• 1	• *	• 13	• 0			1	2.7	۹.
3	1.	1.7	1.	1.4	. 8	. 4	• 2	• C				F . 4	9.
SSW	•	1.4	•	• 5	• 3	• 1	• `	. 0				4 - 1	7.1
SW	•	1 • '4	• ?	. 1		• *		.0				1.2	5.
WSW	• "	• .	• ^	. 0							1	• 7	3.
w		• 1	• 1	• 1							1	• •	3.
WWW		• 1	• 1	• ?								• 1	2.
NW	•	• +	• 1	• 2	• 1						I	1.0	5.
HHW	1.	2.3	2.2	1.8	• 5	•					I	6.3	8.
VARBL											I		
CALM		$\supset <$	$\supset <$	> <	> <	><	$>\!\!<$	> <	$\supset <$	><		9	
	20.0	30.0	23.7	13.1	2.9	. 7	. 3	• 1	• 7			1 '0.0	6.4

TOTAL NUMBER OF OSSERVATION

4115

SMO

NOCE, Federal suilding Asheville, N. C.

#### PART D

#### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By Month all years and all hours combined
- 3. By Month by standard 3-hour groups

one to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of the ce tables are shown on pages 2 and 3 below.

Beginning in July 1948 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

F : N -							V1S/BILL	TY STATUTE M	vitsi				
ter.	- 10	٠,	- 5	4	٠ 3	· 27 <sub>1</sub>	. 2	1 1/2 - 1 1/4	1	+ 1/4 E	γ <sub>0</sub> • γ <sub>1</sub>	* 5/16 = 2 y	
N - 1. W.	· 	~	_~			· ·		<u>_</u>			$\widehat{}$	· 	
					~	$\sim$	$\sim$		$\sim$	$> \sim$			$\preceq$
1960					1.		1	į.	1		÷	1	2. 2
• • • • • • • • • • • • • • • • • • • •	•	•	,	•		;	•		1 :	İ	•		1
 				•	•	•	•	•		•	•		
					•	•	:		; 	:			•
					•	•		•	47.4	•		• .	91.1
							•	•		•	•	•	•
•							•	•	1 i	- 1		·	,
• 0					95.4	,	6.9		62.3				10.

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq$  0. For instance, from the table: Ceiling  $\geq$  1500 feet = 92.6%. Ceiling  $\geq$  500 feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite \( \geq 0. \) From the table: Visibility \( \geq 3 \) miles = 95.4%. Visibility \( \geq 2 \) miles = 96.9%. Visibility \( \geq 1 \) mile = 90.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

#### PART D

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility 
3 miles, subtract the value read from the table at the intersection, which is 91.0, 
from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet

and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, interacted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but  $\leq$  3 miles; or ceiling  $\geq$  500 feet, but  $\leq$  1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

#### PART D

#### SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky over and total number of observations. It is presented in two tables as follows:

1. It's many he and annual - all nours and all years combined.

2. by conta -by standard 3-hour groups.

- Source Sever Sever (total cloud amount) was not reported by U.S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, by course, be limited to period in available data.
- 9.1. 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to teachs prior to summarizing, and notation is made on the form to indicate that data were originally reported in octas. The manner of conversion is given below:

окт <u>л</u> е	LENTIRS
<b>X</b> 0	()
<b>)</b>	1
$\mathbb{Z}^{2}$	ł.
3 ,	4
4	.,
5	4.
6	4
7	19
8 (or obscured)	10

50001: #3: Beginning in 1981 the symbols of Clear, Scattered, Broken, Overcast, and Obscured were used as input for the Total Sky Cover. Following are the conversions:

> Clear converted to 0/10 Scattered converted to 9/10 Broken converted to 9/10 Overcast converted to 10/10 Obscured converted to 10/10

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CFILING							VISI	BILITY (STA	TUTE MILE	<b>:\$</b> )						
PBE7	ž 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 214	≥ 2	ייו ≤	≥ ( ,	<b>≥</b> 1	≥ ६	≥ 4	<b>≥</b> %	≥ 5-14	≥ .	≥ 0
NO CEILING	1.11	3301	9	53.5	24.3	44.4	24.4	न्यु क	<u>চন্দ্র</u>	55.6	55.6	15.6	55.6	55.6	55.5	55.6
≥ 20000	•• `	5 . 4	5 : . 3	7.3	• 5		50.5	5.9.5	4	53.2	59.2	59.2	59.7	59.2	59.3	59.3
00081 ≤	••ਹੋ	75.4	50.3	77.7	उग्र-स	43.5	E . 3	र व 🕏	53.2	59.7	20.7	50.2	7.2	59.2	59.2	59.2
≥ 16000	4 • *	°5 • or	55.3	7.0	50.5	58.5	3 5 a 5	5 5 . 5	59.2	59.2	50.7	59.3	59.2	59.2	59.2	59.4
≥ 14000	74.7	35.3	56.3	77.7	53.5	58.5	54.5	7.5	37.2	10.3	<b>E7.2</b>	59.2	57.2	50.2	59.2	59.3
≥ 12000	3 • 3	57.1	57.9	73.5	વ" • ઇ∤	63.6	60.5	60.6	61.3	51.3	61.3	61.3	61.3	61.3	51.3	61.3
≥ :0000	~~. ~	70.00	51.3	52.7	ह्य ह	ठब । स	64.3	55.5	35 • Z	55.2	F5.2	66.2	5K.7	36.2	56.Z	56.7
≥ 9000	• `	ت ہ	61.3	₹3.4	65.5	65.	65.5	66.2	56.0	66.0	66.9	66.9	Y1 .0	66.7	66.9	66.9
≥ 8000		74 g	85.5	7.7.K	2004	55.7	69.7	73.4	77.0	TILE	71.9	71.5	11.4	41.E	71.A	71.4
≥ 7000	5.	· 9 • 7	6 · • *	71.3	73.9	73.7	73.9	74.7	76.1	75.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4000	57.3	TI.I	71.F	77.7	76.T	76.1	76.1	75.7	79.2	78.2	75.2	75.2	77.7	78.2	73.7	79.2
≥ 5000	2.5	75.4	7::•1	7 . 9	83.4	2 . 4	22.4	53.1	34.5	44.5	04.5i	84.5	14 . S	64.5	84.5	84.5
≥ 4500	7.	76.₽	77.5	F 3	13. B	F3.	33.P	24.5	वह न	85.7	85.0	*5.7	ুহ ুৱা	35.9	55.0	वर्.व
≥ 4000	7.4	u • 3	31.0	1 3 . A	4. CR	69.4	9 .1	⊃(_• <b>9</b>	92.3	92.3	97.3	92.3	72.3	72.3.	22.3	92.3
≥ 3500	77.5		F1.7	7 i . 5.	37.0	70.7	91.5	42.3	\$7.7	53.T	93.7	73.7	93.4	93.7	``\$ <b>3.7</b> '	93.7
> 3000	7	· 1 •	:1.7	98,0	91.6	21.50	2.3	3.7	25.1.	95.1	95.1	95.1	25.1	95.1	95.1	95.1
≥ 2500	7 . "	·1.	51.7	ac . 3.	97.7	77.3	93.7	<b>75.1</b>	56.5	42 . E.	96.5	26.5	36.5°	76.	96.5	96.5
≥ 2000	7 . 5	-1.3	-1.7	45.9	92.3	C2.3	93.7	75.1	26.5	76.5	96.5	96.5	94.5	96.5	54.5	96.5
≥ 1800	· · · •	21.5	31.7	35.9	72.3	52.J	73.7	75°I,	76 . K	96.5	96.5	56.5	96.5	76.5	96.5	96.5
≥ 1900	7	51.	: T , 4	15.6	23.3	5.U	14.4	75.8	77.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
} ≥ 1200	7~	717,7	? ~ , 4'	76.5	93.77	पर्रः ज	35.1.	76.5	77.6	7. 80	78.5	4E . P.	43.6	98.6	98.6	93.4
≥ 1000	7 • "	21.0	22.4	6.6	93.0	93.7	95.1	67.2.	99.7	99.3	99.3	29.3	99.3	99.3	99.3	99.3
≥ 900	7	~1.J	27. U	76.5	A2A	C3.7	42.1.	44.41	וני. נייו	ום. סט	ום.סס	ום. סם	TT . 0	ב.סדו	100.0	102.0
≥ 000	7 .~	31.	47.4	5 . 6	93.0	3.7	95.1	27.91	00.00	100.01	00.00	00.00	r.a	136.0	100.0	103.0
> 700	7"."	717	77。朝	75.5	73.7	73.7	44. I.	77.9	מים יים	00.01	ום. סט	ioc di	מ.כפי	ם.סחו	ססנו.	105.d
≥ 700 ≥ 400	7 .2	21.3	87.4	26.6	93. 1	43.7	95.1.	97.9	ാരം എ	100.01	100.01	100.91	00.0	100.0	100.0	100.d
} - +	7-,~	BI.IT	~7. ¥	76.6	93.15	73.7	95.1	97.9	70.71	וט טט ו	00. M	ום סוד	ਾਨ ਹੈ	סס שמים	130.0	וס ססו
≥ 500 ≥ 400	٠.,	21.0	22.W	16.04	23.d	93.7	95.1	77.91	. aa . di	100.01	00.00	iao. di	00.3	100.0	100.0	100.d
- I	77	41.7	वट व	F5.8	97.7	73.7	95.1	97.9	<b>ਹ</b> ਹ • ਹੀ	וט . טפו	וס סט	וס סטו	מ.סמו	100.U	100.0	103.d
≥ 300 ≥ 200	7 .2	-1.	02.4	16.6	93.7	43.7	95.1	97.9	JOODI	ino di	re-di	ion.di	on.d	ino.d	100.0	Loo.d
} <sup>−</sup> <del>}</del>	70.7	AT. D	87.4	*8.8	93.14	1	95.1	97.91	13.1	100 di	ום כים	20.01	rr . d	100.0	ש. טפו	100.0
≥ 100	7' .>	91.7	32.4	26.6	93.9	03.7	95.1	77.91	C3.31	100.01	00.00	00.01	07.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

142

DIRNAVOCEANMET SMOS

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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337

VISIBILITY (STATUTE MILES) > 3 ≥ 219 > 1'5 ≥ 1'4 ≥ 1 ≥ . ≥ % ≥ % ≥ 5 16 NO CEILING 61.7 51.7 51.7 61.9 61.9 61.9 61.9 61.9 ≥ 20000 रा.ए का.ए हा.ए हा. ल हा. ल हा. ल हा. ज हा. ज हा. ज (1.7 &1.8 +1.8 fl.6 fl.9 fl.9 fl.9 fl.9 fl.9 \*1.7 57.87 77.57 57.87 87.85 82.85 82.85 87.85 87.85 82.85 57.6 . . . . . . . . 46. 4 66.7 66.7 66.7 (b.7 66.7 66.7 56.7 66.7 > 9000 74.2' 74.2' 74.2' 74.2' 74.2' 74.2' 8000 7000 +7.4 7 .1 73.5 74.5 7725 7765 77.6 77.8 77.F 77.5 6000 70.3 81.7 71.0 81.7 21.7 81.7 81.2 72.1 76.0 78.0 60.1 योज्या पर-डा ५२-डा ४२-डा ४२-डा 36.2 95.7 95.2 95.2 95.2 95.3 95.3 2.3 07.3 89.3 97.2 53.9 94.5 75.9 4£ 4, 42 4, 5° 3" 75.9 2 500 45.7 TE.9 35.7 95.9 94.7 45.4 44.4 95.5 24.9 e4.5' 55.2' 7F.9' 95.7' 95.9' 98.3' 95.9' 95.9' 95.9' 95.9' 95.6' 42.3' A7.8' E9.8' 93.9' 3.7 82.1 21.2 05.2 CT.3 97.7 97.5 97.3 47.3 97.3 47.3 97.3 97. 15.9 96.6 1500 51.7 75.2 75.9 95.0' 98.0' 98.0' 99.0' 98.0' 99.0' 98.6' 77.3 1 13.7 87.1 01.2 75.7 96.6 98. 99.3 99.3 99.3 99.3 /9.3 99.3100.0150.0100.0 1000 38.7 09.3 79.3 69.3 99.3 99.3 99.3 49.3140.0100.0100.0 3.7 34.1 91.2 48.0 79.37 79.37 79.37 99.37 79.37 99.37 99.3100.01100.01100.0 700 98.1 49.3 99.7 99.7 99.3 99.3 49.7100.0100.0100.0 3.7 84.1 91.2 35.9 76.6 600 गर्व. डो वर्व. चो वर्व. डो वर्व. डो वर्व. डो व्य. चो वर्व. चो वर्त. चो वर्त. चो T.7 □ 36.6198.0 79.3 49.3199.3 99.3 99.3 97.3170.0170.0100.0 94. B-.1 गा.शं पड.पा 96 . 5 प्र- इं प्रक. म् प्र- इं प्रक. म् प्रक. इं प्रक. में एए. यो एए. यो एए. यो एए. यो 3.7 89.1 01.2 95.9 96.6 98.0 99.3 99.3 99.3 99.3 99.3 97. NICH. NICH. OLOG. C লপত্ৰ জলত বা লয়ত হালে সহত লাল্ড ভালি সমত লাল্ড ভাল্ 100 73.7 82.1 91.2575.4678.6 98.0579.3 99.3 99.3 99.3 99.3 99.3 49.3% 0.6100.0%00.6

TOTAL NUMBER OF OBSERVATIONS

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DIRNAVOCEANMET SMOS

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

													_			
CEILING FEET							VIS.	1816177 57	ATUTE MIL	ES .						
	ć '0	2.6	≥ 5	≥ 4	2 3	2.75	≥ 2	<b>≥</b> 10a	21.	≥ 1	≥ €	2.4	٤,	≥ 5 16	٠. ٠	ž 0
NO CELING	. 1	•	- 1,		4	F W		1 4 a fee	60.0		۲, ,	. A . La	T . la	1 4 1		<del></del>
≥ 20000	• 1	5	5 . 1	٠. و و	5 .9	7.0	E 7			,			60.9			
≥ :snoo	1.1		5	. 5	5 6	9		7.7			٠.			•		
≥ 16000	1 • 1			. 5	r ja	9	و و ا					و د		6 6	50.3	
≥ 14000	•					1.4	1.4	1.4	1 - 4		· , * .		195			57.3
≥ 12000	2 . 4			4 4	51.4	14.2	~ 4	42	- L - C	4.4.6	•		1.4		1.4	4) - 4
≥ 10000	• °		7		-	12.		7.	,	,		5063		2.4	€4 • §	54.7
≥ 9000	• "		7	21.4	7	, ,	, ,	• •	,	,	· •	•	7 • 3	72.5	72.3	
≥ 8000	•	7			-7.7	7 . 7	777	- 1 m R At	77.7	122.7	77.7	,		161.	4	6.0
≥ 7000		, , ,	70.5	-	7: 4	75	7	77.2.	•	•	7 7	!7.7			11.	77.7
≥ 6000			7	7		7.7	. 9 Sa.	7 2 2 4 4	~	7400		•			·	7 1 - 3
≥ 5000		,	1	2	• •	7 7	ر .	3 . 3	•	5.5	" ·.	1 2 4 7	• (		40.7	- 7
≥ 4500					****		36.0		? • `,	` ` ` ` ` ` `	• 3.	•	• •	- 3 • 3.	4.5 • 1.	· ' • '
≥ 4000		1.	4					1.7		000	77.4			14.4	35.4	
≥ 3500		7.0	7 .	7			73.5	53.5	3	91.	4 1 . C		•	°1.7.	1 . 7	
> 3000		1	2 4	. 1	20 . 7	5.1	5 -	15.0				4 * . G		93.9		
≥ 2500		/	8	*1.	7		95.8		2	19 5 • 5. 10 • 17			* * * * * * * * * * * * * * * * * * * *		,	35 . 3
2 7000		. 7	A	71.7	5 u . 7	75.0	a 5 . g		20.3	•		75.7		26.2	16.2	
≥ 1800			~	1.7	4.7	05.5		6.2	- S - 1	15.2	~ E • 4.	36.2.	// • ? ·	6.		~ · «
≥ 1500	7.		9		95.1	35.5		7		97	06.2 97.	٠	~ <del>~ ~ ?</del>			94.2
≥ 1700	•	, ,	a ·							47.7	6 7 3	97.1	97.	77.		81.9
> 1000		1.	a .	71.7		36.6		7 . 1		2:1	5	90.5	. 7.7	97.7		\$7.7 <sup>1</sup>
≥ 900		. 7	ar.	7	95 <b>.</b> 8				17		* * *	• •	. 1.	36.1		• • 1;
≥ 800		- 3.7	a ·	1.7				- 1	A		9 .	93.3	27.1	7 3 • L		01.1
≥ 700		- ; -	8 : 3							79		• •	44.3	1, 4	• •	S . 91
2 600		13.7	8 '	91.7			77.4			_		39.2	43.3		39.7	1
≥ 500	·	3 5	8		45					39.2	40.5	• • • •	ં? • <u>ટ</u> ્		79.7	1
2 400	1.	3.7	9	,			97.4					39.2	39.2			34.3
> 100			8	01.7			• •	14.9 114.9		59.2			. ۲۰ د	20.2	•	55.4
≥ 300 ≥ 200	- T 0	3.7	•			. •				79.5			30.6		99.5	
<del> </del>	•	3.7	À		32. a.				14.2	30.6	99.6	49.01	ាច∙ៗរ			
> 100	• 1		•					79.2	99 <b>€ 2</b> 5	79.6	46.4	79.61	_0.01	na. ur	00.01	00.00
			9 ' •	91.7	70.	41.	y 7 • 7	77.2	77.2	79.6	20 · C	79.61	60.01	20.01	20.01	50 act

TOTAL NUMBER OF OBSERVATIONS

2 > 4

THREAD CHARMET SMOS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILE	( <b>S</b> )						
HE	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 175	≥ 1%	21	≥ ६	≥ 6	≥ 4	≥ 5 16	≥ 4.	≥ 0
NO CEILING		14.	4 . 7	· .7	18.7	9.5	60.6	1.3	61.5	61.3	61.3	51.3	41.3	51.3	61.3	61.3
≥ 20000		9 S	5 . 6	· 1	43.5	15.3	66.4	57.4	67.2	67.2	67.2	67.2	67.2	57.2	67.2	67.2
≥ 18000		4: • 2	50.4	15.1	63.	25.3	65.4	57.2		67.2				67.2	•	4
≥ 16000	4.5	4 7	97.4	55.1	63.5	15.3	66.4	47.2	-	67.2			67.2	67.2	67.2	57.2
		4	4		56.2	46.1	67.2	4.3		68.3				68.3	68.3	6A.3
≥ 14000 ≥ 12000		4	\$1.7	55.6			69.		77.1	74.1			70.4	70.4	77.4	71.4
•	•			5 1									73.4	73.4	73.4	73.4
≥ 10000 ≥ 9000	•		•	5			72.3	73.4		73.4				73.7	7347	
	•		54.4		<u> </u>							73.7	73.7		13.1	73.7
≥ \$000	•	-	5	• •	72.3		75.5			76.6			77.3	77.	37.	77.7
≥ 7000	• • •	11.	5°•	€2•€.	73.4	75.2				77.7		78.1	7.0 • 1	78 . 1	78.1	78.1
≥ 6000	7 • 1	- 2	54.1		74 . P		77.1			79.2						73.6
> 5000	• 3	75.5		57.2.	7 - 1	77.9	81.4	2.5		12.5		52.9	\$7.0	82.9	55.6	82.9
≥ 4500	41. • 4	56.7	63.5	4.	79.9	1.5	83.5	4.7	94.7	84.7	84.7	85.	35.J	95.0	P5.0	85.0
≥ 4000	4 .	59.4	67.2	73.4	85.a	27.6	87.4	97.5	90.5	90.5	99.5	90.9	90.9	90.5	90.9	90.9
≥ 3500		?•	6 . 3	. 6.6	89.4	21.6	93.4	·4,5°	54.5	24.5	74.5	94.9	04.0	34.9	94.9	94.9
> 3000	1.4	. 2 . 4	6 . 7	77.0	84.5	22.3	93.8	74.7	94.9	94.9	94.0	95.3	75.3	95.3	95.3	95.3
≥ 2500	1.1	3	7 7 4	77.7	1.2	73.4	0 5 3	06.4	46.7	96.7	95.7	97.1	97.1	97.1	97.1	97.1
> 2000	1.4	63.5	7 . 0	78.1	91.6	33.8	95.6	76.7	97.1	97.1	67.1	97.5	07.5	97.5	97.5	97.5
	1.			. 7.74	91.6					97.1						
≥ 1800 > 1500	1.		7			4.7				97.5		. • -				97.8
		£ 3 . 5		4												- 1
≥ 1200	1.									97.9						T
≥ 1000		43.5	• ".	7:01		94.5			. I 🔺	90						98.5
≥ 700	1 • 3	63.5	•	-						98				08.5		98.5
≥ 000	1 • 5	63.5			35 - 3	1	4			08.5					• •	99.3
≥ 700		63	7 ( , 3 )	7 • 1	35.3	25 . 3	97.1	7B.5	43.6	78.9	35 9	99.3	99.6	99.6	99.5	99.5
≥ 600	1.5	63.5	7 . 6	78 . 1	97.3	75 . 3	97.1	98.5	78.9	94.9	98.9	99.6	100.00	00.0	100.0	100.0
≥ 500	1.	13.5	· 7 · 2'	7:.1	92.3	95.3	97.1	98.5	90.9	73.9	99.9	99.6	ເດ່ວ່.ອ	130.0	ם. פטו	100.d
≥ 400	1.5	53.5	73.0	78.1	92.3	95.3	97.1	98.5	95.9	98.9	90.9	99.63	0.01	100.0	100.0	100.0
	1.,									98.9					100.0	
> 300										98.9						
			4							98.9						L
≥ 100	1.0										-		p			
{ ≥ 0		63.	TUP.	1 ) • 1;	72.5	- 5 - 3	4/.1	3.5	74.Q	98.9	9".9	77.6	1	[ ∵U • U,	1 Ci	I U U J • Uf

TOTAL NUMBER OF OBSERVATIONS 2 P

DIRNAVOCEANMET SMOS

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17-12

CEILING							VISI	BILITY (ST	ATUTE MILI	ES:						
FEET	≥ 10	≥ 6	≥ 5	2 4	≥ 1	≥ 2%	≥ 7	≥ 1%	≱ Pk	≥ 1	≥ 4	2 %	≥ 4	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	5 - 4	1.4	65.1		65.¶					i		1		65.3 70.2		1
≥ 18000 ≥ 16000	5.4	15.6	62.1	~ > . 1 & * a 1.	7 . 2	79.2		70.2 70.2		70.2. 12		70.2		70.2 70.2	70.2 70.2	- 1
2 14000 2 12000	5. 	6.0 51.1.	6.4	ko,5 Tilibi	77.9	73.7 73.1				71.2 74.4		71.2 74.0		71.2	71.2	71.2
≥ 10000 ≥ 9000	57.	69.1 27.1	71.2	72.3	74.4	74.4				74.7 75.8	74.7		74.7	74.7 75.8	74.T	74.7
≥ 8000 ≥ 7000	3.2	73.5 73.5		79.3	31.B	11:5	81.8	31.8	81.0	91.8 82.1	82.1	32.1	81.8 82.1	81.8 82.1	81.8	81.8 82.1
≥ 4000 ≥ 5000	3.5	7	77.7	E 1 . 4.		-2.5	84.2	04.2	54.2	82.8	84.6	8.4.6.	82.8 54.6		82.8	92 • 8 8 • • 6
≥ 4500 ≥ 4000	5 • 7 • 5	77.7	83.°	93.51 6.7	#6.7 23.2	10.9	90.9	91.2	41.2	91.5	91.6	91.6			91.4	
≥ 3500 ≥ 3000		*1.1	34.0	P9.5		3		ાય • છા . જે <u>કે • 4</u> .		95.0				94.4 . 96.1	96.1	55.1
≥ 2500 ≥ 2000				و ي	94.7		95.8	37.5.	27.5	97.2 97.9 97.9	93.3	98.3	90.3	98.3	97.5	98.3
≥ 1800 ≥ 1500	-	-3.2	67.	<u>د . ب</u>	95.4 95.4		96.5	27.5	97.5	97.9	98.3	98.3	30.3	98,3	98.3	56.2
≥ 1000 ≥ 1000		43.2		90.5			26,0	97.9	97.0	98.3	98 . 6.	98.6.	98.6	96.6	99.5	98.6
≥ 800 > 700		03.2		9. 5	95.4	46. 5	76.8	27,9	47.9.	98.5	99.2	29.0	99.3	. • -	27.7.	99.7
≥ 400 ≥ 500		2.2.2,	87.	9006	95.4	96.5	96.8	97.9	97.9	98.6	99.3	99.3,	29 .7	170.0	100.0	700°G
≥ 400 ≥ 300		53.		<u></u>	95.4	6.5	96.3.	97.9	97.9		99.3	99.3	99.7		100.0	ם. כמג
≥ 200 > 100	9		97.0	9	95.4	96.5	96.8	97.9	97.9	93.6	99.3	99.3	99.7	100.0	100.0	100.0
2 0					95.4											

OTAL NUMBER OF OBSERVATIONS

2.5

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST	ATUTE MIL	ES;						
FEET	≥ 10	2.6	2 5	2 4	≥ 1	≥ 2%	≥ 2	≥ 121	≥ 11.	≥ 1	≥ %	≥ 4	≥ 4	≥ 5/16	≥ .	≥ o
NO CEILING	, , ?	7.	50.8	• • 5	61.1	41.5	61.0	11.5	61.7	61.0	51.7	61.0	61.C	51.Q	61.7	51.1
≥ 20000		14.6	55.0		6 · • 3,	<u> </u>	60.3	68.3	63.€3		60 . 3		60.3	68.3	68.3	63.5
≥ 18000	4.	ت و به ا	64.2	f c • 5	58.3	18.3	58.3	615 . 3	60.	60.3	66 . 3	65.3	6°.3	58.3	68.3	68.3
00004 ≤	4.	C E.	5 6 2	56.0	000	58.3	65.3	55.3	64.	50.5	6 . 3	6 P . 3	6 1 . 3	58.3	69.3	68.3
≥ 14000	٠ ٠٠٠	64.9	4 r	A6.7	68.3	68.5	53.3°	59.3	67.3	68.3	69.3	68.3	60.3	65.3	68.3	59.3
≥ 13000	و در	57.7	0 P . A	64.3	7 . 7	71.	71.3	71.04	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.7
≥ 100000	7.5	6.9	70.3	71.5	72.4	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	• 4	8.4	70.3	71.0	72.5	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
> 2000	• •	· 7 • 7	7 . 4	73.1	75.00	75 . 5	75.9	76 . 2	76.7	76.2	76.2	76.2	76.2	76.2	76.2	75.2
≥ 7000	• "	71.	73.1	73.3	75.9	76 . 2	75.5	76.9	75.9	76 . 9	75.9	76.9	76.9	76.9	76.9	76.9
> 4000	^ , t	71.7	74.1	74.6	77.2	77.6	77.9	76.3	70.3	78.3	70.3	73.3	70.3	78.3	78.3	79.3
≥ 5000	2	73.5	73.3	76.9	79.3	30.7	30.3	20.7	83.7	8 7	8 7. 7	8 . T	9:.7	60.7	90.7	
> 4500		* 6 . 3 t	a	31.4	54.5	A5.2	25.5	3.9	35.9	P5.7	95.9	85.9		35.9	45.9	85.9
≥ 4000		- 6 - 7	87.5	4.1	83.3	19.0				70.0		10.0		90.0	90.0	20.0
≥ 1500	1.00	2.1	34 4	15.5	199.7	20.3	91.0	41.4	71.4	91.7	91.7	91.7	91.7	91.7	91.7	61.7
> 1000	1.7		36.2		71.4	62 . A	-	94 . 1			94.5	94.5		94.5	94.5	94.5
≥ 2500	2.4	4.5	17.5	26.3	9 . 1	64.5	7.2	⊃¢ , 0°			96.2	26.2		96.2	96.2	56.2
≥ 2000		14.0		P8.6	93.3			16.5	•	96.9		96.9				96.9
	2.8	44.		3 <b>8.6</b>							96.9					
≥ 1800 ≥ 1900	3.1	5.7		89 U			• .			- •	95.3					98.3
ł	•			89.0			· · · · · · · ·								99.2	
≥ 1700 > 1000	7.1	25.2			94-1		07.6				\$6.0					99.3
}	, , , ,		88.5		90 1						99					
≥ 900 > 800		1502	00.0	94.Ú												99.1
= •••	3 • 1		87.5	. <u>1</u> . 7. <del>7</del> .			97.6		40			99.0			99.3	
≥ 700	7 • 1				• • •		97.6		_					09.3		- 1
≥ #00	1.		83.3		94.1		97.6				9¢•ŋ					99.3
≥ 500				RO.												
≥ 400		-5.2		89.0		5.9	97.6		99.6		99.3					120.0
≥ 300	13.1			89.0					-			1	-	79.7	- 1	
≥ 200		5.2			94.1									99.7		
≥ 100				62.0					•					99.7	. •	
≥ 0	1	-5.2	85.3	99.	94.1	25.7	97.6	79.3	98.5	99.3	99.3	99.3	99.7	99.7	99.7	120.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING					<del></del>		VISI	BILITY (STA	TUTE MILE	(5)						
PEET	≥ 10	2 6	≥ ,	≥ 4	ž 1 .	≥ 21/4	≥ 2	≥ 1'5	≥ 0.	≥1	≥ •	≥ %	≥ %	≥ 3/16	2 '.	≥ 0
NO CEILING	4	5	5 . 3	14.7	5:.1	∍9 <b>.</b> 2	50.5	54.9	59.9	59.9	57.9	59.9	0.0	59.9	59.9	59.9
≥ 20000	J • •	ين ۾ ڏ پ	55.7	7.0	23.1	: 4	54 .4.	64.7	64.7	64.7	04 . T	64.7	64.7	64 . 7	64 . 7	54.7
≥ 18000	•	54 a O	5 • 1	53.1	63.5	.4.4	54.7	45.1	65.1	65.1	65.1	65.1	64.1	45.1	65.1	65.1
≥ 16000	•	4 . 4	· . 1.	5 1 2 1	62.1	14.4	64.7	4224	65.1	Seek	05.1	65.1	55.1	55.1	65.1	65.1
≥ 14000	• 4	4 . 1	56.1	55.1	63.3	65.1	65.4	65.7	55.7	65.7	65.T	55.7	65.7	65.7	65.7	65.7
≥ 12000	2.4	50.4	59.9	60.9	66.1	67.9	69.2	4, 4 . 5,	6 . 5	65.5	60.5	56.5	€ . 5	68.5	68.5	68.5
≥ 10000	5.7	10.0	0.7 • \$	64.T	71.5	73.0	73.4	73.7	73.7	73.7	73.7	73.7	77.7	73.7	73.7	73.7
≥ 9000	· • 4	o • <u>2</u>	6201	45.4	72.1	73.7	74.1	74.4	74.4	74.4	74.4	74.4	79.4	7	74.4	74.4
≥ #000	• 5	43.7	65.7	66.2	75.1	77.2	77.5	77.7	77.9	77.9	77.3	77.9	77.7	77.9	77.9	77.9
≥ 7000	1. • 1	F4.3	66.1	5/ . 5	75.4		77.9		70.2			79.2	70.2	73.2	78.2	78.3
≥ 4000	• 5	44 . J	66.1	64.5	75.4	77.5	77.9	78.2	75.7	73.2	73.2	74.2	72.2	73.2	79.2	76.2
≥ 5000	• 5	+ 5 - 1	61.2	7	73.7	20.1	37.6	11.0	91.7	31.0	91.7	21.0	£1.0	\$1.0	31.0	31.7
≥ 4500	7.7	60.5	71.6	74 . 4	62.4	. 4 . 8	85.5	35.8	35.8	85.8	85.8	25.5	45.B	15.8	84.8	85.8
≥ 4000	0.4	73.4	75.8	7	48.2	1.1	92.0	92.4	92.4	92.4	92.4	72.4	42 . A	92.4	92.4	97.4
≥ 3500	• 1	74.1	75.5	74.5	88.9	2.5	93.1	3.8	93.8	93.6	93.8	93.8	93.6	93.8	93.8	93.8
≥ 3000	• • • •	75 . 1	77.5	5 6	92. 3	93.8	94.2	95.5	25.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	J . 2		74.2	F1.3	71.4	34	96.2	76.9	96.9	96.9	95.9	96.7	96.4	96.9	96.9	96.9
≥ 2000	~ • ?,	75.3	70.2	81.3	91.7	75.2	96.5	27.2.	97.2	97.2	97.2	97.2	97.2	97.5	37.2	97.2
≥ 1800		75.0	70.2	81.3	91.7	95.2	96.5	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	6 .5	76.1	75.5	5.1.7	90.00	95.9	97.6	94.6	98.6	98.6	90.6	98.6	98 .6	98.6	98.6	99.6
≥ 1200	٠, ۴	76.1	79.6	F1.7	92. Y	45.9	97.6	93.6	28.6	3.89	98.5	98.6	94.6	98.6	98.6	98.0
≥ 1000	c · · · · ·	76.1	72.6	91.7	92.4	96.2	97.9	99.0	99.0	99.0	99.0	· 1	99.3	99.0	99.0	99.0
≥ 900	5	76.1	78.6	a1.7	92.4	96.2	97.9	79.5	99.7	99.0	99.7	99.0	99.0	99.9	99.0	99.0
≥ 900	5	76.1	7 . 6	£1.7	92.4	96.Z	97.9	99.0	99.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	65.65	76.1	7 F . 6	31.7	92.4	76 . ?	97.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	. F . 5,	76.1	76.6	51.7	92.4	96.2	47.9	99.3	99.3	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	S : • 5	76 . 1	78.6	A1.7	92.4	96.2	27.9	99.3	39.3	99.7	99.7	99.7	09.7	99.7	99.7	99.7
≥ 400	5 . 5	76.1	79.6	81.7	92.4	76.2	97.9	99.3		99.7			99.7	99.7	99.7	99.7
≥ 300	⇒1 • 5°	76.1	70.5	31.7	92.4	76.2	97.9	99.3	99.7	10.00	00.01	00.01	00 . a	100.0	100.0	100.d
≥ 200	5.05	76 . 1	73.6	£1.7	92.4	96.2	97.9	99.3	99.7	ום. סרו	CU.01	00.0	on.a	100.0	100.0	100.0
≥ 100	5	76.1	73.6	21.7	92.4	96.2	47.9	99.3	99.7	ום.פח	U7.01	00.01	00.00	100.0	100.0	100.0
2 0	5 . • S	76.1	79.6	a1.7	92.4	6.2	97.9	99.3	99.7	00.0	ור.סס	00.01	00.0	100.0	100.0	100.0

TAL NUMBER OF OSSERVATIONS 285

DIRNAVOCEANMET 5MO

. 48

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

NAMES OF A TORSE OF STREET ASSOCIATION OF STREET AND

21 \_ \_

VISIBILITY (STATUTE MILES) > 4 **>** 3 > 10 > 5 2 24 ≥2 ≥15 ≥14 ≥1 Te - P h 1 - B (1 - A 61 - A 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z 62 - Z NO CEILING ≥ 20000 ≥ 18000 ≥ 16000 > 14000 ≥ 10000 > 9000 ≥ 8000 ≥ 7000 ≥ 6000 ≥ 5000 4500 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 77.6 61.7 83.7 43.5 1800 1500 1000 700 400 500 400 2 100 

TOTAL NUMBER OF OSSERVATIONS

24

DIRNAVOCEANMET SMOS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING							VIS	BELITY (ST.	ATUTE MILI	ES)		-				
PEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 3%	≥ 2	≥ 1%	≥ 11.	≥1	≥ •	≥ 4	≥ %	≤ 5-16	≥ .	≥ 0
NO CEILING	• / • 1	4.0	50.3	16.9	50.5	40.9	6C.1	25D • 4	50.4	5 . 4	57.4	50 <b>.4</b>	5 - 4	50.4	60.4	60.4
≥ 20000	• 4.	F6.	50.4	1.0	64.2	54.5	64.9	45.1	65.3	65.3	55.2	65.2	65.2	65.2	65.2	65.7
≥ 18000	• 5	6.3	50.4	41.1	54.₹	64.7	55.Di	45.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.7
≥ 16000	1	S6 <u>€</u> 3	59.7	Leli	64.3	64.7	55.14	15.2	65.7	65.2	65.2	65.2	65.2	65.2	65.2	65.7
≥ 14000	. 7	57.2	57.7	61.5	64 . 5	65.3	6 . 6	55.3	65.7	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 12000	4	F G . 3	62.7	43.6i	67.3	67.9	68.2	6 1 . 5	6: .5	68.6	60.6	68.6	60.6	63.6	68.6	66.4
≥ 10000	'. • i	4.2.3	5°.3	67.2	71.1	71.2	77.1	77.4	77.4	72.5	72.5	72.5	77.5	72.5	72.5	72.5
≥ 9000	1 × 5	62.5	65.7	67.6	71.7	72.3	72.4	73.4	73.7	73.1	73.1	73.1	73.1	73.1	73.1	73.1
> 8000	. 4	+5.4	67.2	71.4	75.8	76 . 5	76.9	77.2	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	. 5	56.7	13.2	72.4	76.8	77.5	77.9	78.3	71.4	76.4	78.4	70.5	7° . 5	78.5	78.5	79.5
> 4000	. :	67.3	71.5	73.5	78.7	72.7	79.1	74.5	77.5	79.6	79.6	77.7	79.7	79.7	79.7	79.7
≥ 5000	2.4	76.4	73.9	76.7	81.3	31.7	82.1	F 2 - 5	82.€	92.6	82.5	32.7	82.7	82.7	82.7	82.7
> 4500	4.0	73.1	75.6	79. i	84.1		55.5	5.9	66.N	8 1	86.1	86.1	86.1	96.1	85.1	86.1
≥ 4000	6 . 3	70	70.8	12.7	98.9	29.9	97.6	91.0	91.1	91.2	91.2	91.2	91.2			91.2
≥ 3500	3	77.5		74.1	2 .6		92.5				93.3		93.4	93.4	93.4	
> 3000		78.0		25.2	92.7	3.3		74.9	95.1	95.2	95.3	95.3	95.3	95.3		95.3
≥ 2500		73.5	8 7	10 T 17 T	93.0	94.4	95.4		76.3	96.4		96.5	96.5	96.5		96.5
≥ 200C	· /s ·		82.3	66.DI			95.9	96.6		97.0			97.1			97.1
≥ 1800	A . 4	73.7			- : <del>- : :</del>	54 . 3	25.9		96.9	97.0	~ ~ ~	- 7 <u>- 1</u> 2 <b>2</b> 4	97.1			97.1
≥ 1500	. 7	74.		46.4	37.8	25.5	95.6	< 7 . 5	97.7	97.8	97.9		97.9			97.9
	, , , , , , , , , , , , , , , , , , ,		8 2	26.4	94.7	75.9	97.1	· · · · · · · · · · · · · · · · · · ·	93.7		96.4	· <del>-</del> - •	98.5			98.5
≥ 1200 > 1000	• •	74	83.2	46.4	94.1	75. OH	97.2	08.2		96.7	98.7	98.8	98.8	98.9	98.9	96.9
	7	79.	83.2	6.4	94 1	05.9	97.2		98.6					09.0		
≥ 900 ≥ 800	7	79.3		6.4	94.1	76.	97.3	98.5			99.1		90.3		99.4	99.4
-	7			6.4		6.								99.5		99.3
≥ 700 > 400	7	79.0		6.4	94.1	96.0			98.9		99.3		99.6		99.7	
<del>-</del> ,	•		3 2 2		04.1	96.0			98.9		90.3					
≥ 100 > 400		•							,	;					99.8	
	7	79.	8 . 2	P6 . 4	34.1	6.0	97.3		98.9	99.3	99.3		7 - 4	99.8	77.5	_99.g
≥ 300 > 200				,	74.1	?6.J		96.6				99.6	99.8			100.0
≥ 200		79.		6.4		96.4		96.6			99.4			100.0		
≥ 100		75. 7			90.1	96.7		98.6	- :		99.4			100.d		
≥ •	_ 3 <b>∀ • 7</b>	79.	53.2	26.9	94.1	'6. ]	97.4	75.6	99.7	99.5	99.4	99.6	99.9	100.q	160.0	100.d

TOTAL NUMBER OF DESERVATIONS 1937

CHNAVOCEANMET

17-32 PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MIL	ES)						
FEET	≥ 10	2 6	≥ 5	2 4	≥ 3	≥ 2%	≥ 3	<u>≥</u> 1%	≥ 1%	≥1	≥ •	≥ %	2 %	≥ 5/10	≥ '•	≥ 0
NO CEILING		42.	43.6	43.5	46.0	45.7	46.0	45.0	45.0	46.0	46.0	46.0	44.5	46.7	46.	46.
≥ 20000	1.	+6 . 4	4 . 4	43.4	5 . 5	50.9	50.8					50.5	50.3	1	50 .8	50.8
≥ 18000	•	46.3	4 . 4	4 - 4	5 🐪 🥱	22.3	57.9	50.8		55.8	50.9	50.8	50.4	50.8	50.9	50.8
≥ 16000	4 • 3	6.4	4 - 4	4 - 4	5 . 3	50.6	50.9	511.8	5 1 . 9		50.8	50.8	50.8		50.8	50.8
≥ 14000		⊣દ.વં	4 2 4	4 . 4	5 . 8	50.8	50.8		4		5 . N		50.8	50.9	50.8	50.5
≥ 12000	• • 4	40.2		53.3	53.2	43.2		5 1 . 2	- 1		53.2	53.2	51.2	53.2	53.2	53.
≥ 10000	• 1	Sec. 7	6 9	65.0	65.3	15.3			65.3		65.3	65.3	65.3	65.3	65.3	65.
≥ 1000		64.5	67.7	13.7	66.1	.6.1	66.1	16.1		60.1	66.1		66.1	66.1	66.1	66.1
≥ 8000	N • 5	56.1	7 . 2	71.5		3.4				73.4	-	-	73.4	- •	73.4	73.4
≥ 7000	4 • 🔄	50.1	7 . ?	71.1	73.4	73.4	77.4	73.4			73.4	73.4	73.4		73.4	73.4
≥ 4000	4 • 5	56.1	7 .7	71.7	73.4	73.4	73.4	73.4			73.4	73.4	73.4	73.4	73.4	
≥ 5000	6.1	67.7	71.8	72.6	76.6	76.6	76.6	76 . 6	76.6	76.0	76.6	76.5	76.6	76.6	76.6	75.6
≥ 4500	• (	70.2	75.0	75.8	8 . 7			93.7	_	8 0 . 7	B D . 7	80.7	80.7	80.7	80.7	63.7
≥ 4000	(1.0	72.0	79.3		85.5	35.5	€5.5		85.5	85.5	85.5	35.5	55.5	95.5	85.5	65.5
≥ 3500	1.0	74.2	81.5	F2.3	65.7	68.7	88.7	88.7	88.7	88.7	89.7	88.7	98.7	33.7	88.7	85.7
≥ 3000	1.3	75.0	33.1	3.9	91.1	01.1	91.1	71.1		91.1	91.1	71.1	91.1	91.1	91.1	91.1
≥ 2500	1.6	75.8	83.9	94.7		02.7			-	94.4	94.4	34.4	94.4			94.4
≥ 2000	11.63	75.0	87.0	84.7	9.10	93.5	95.2	25 • 2		95.2	95.2	95.2	95.2	95.2	95.2	
≥ 1800	"1 • F	75.9	83.9	84.7			95.2			35.2				95.2		
≥ 1500	7 4 • 3	75.8	83.9	€ <b>5 • 5</b> ]	93.6	25.2	96.8	96.8	96.8	96.8	76.8	96.5	96 . 8			
≥ 1200	'1. "	75.8			94.6	25.2	96.8				97.6		97.6	97.6		
≥ 1000	1.8	75 · R	83.9	5.5	94.4	16	97.6				98.4	96.4	94.4			98.4
≥ 900	1.5	75.5	37.9	95.5	34.4	6.0	97.6	:	-	98.4		-	94.4	98.4		
≥ 800	1.0	75 . 8	83.9	85.5	94.4	C6.D	98.4							100.0		
≥ 700	/1.5		83.9	15.5	94.4									100.0		
≥ 600	11.0	75 . 8		65.5	94.4	96	99.4							100.0		1
≥ 500	11.5	75.8	83.9	E5.5	94.4	76.0	98.4			1				100.0		
≥ 400	11.4		83.9	95.5	94.4	96.	98.4							100.0		
≥ 300			83.9		94.4	96.0	95.4		1					100.0		-
> 200	(1.0)			95.5	94.4	46.0	98.4							100.0		
≥ 100	/1.48°	75.0	83.9		94.4	46.01		г	1					100.0		{
≥ 0	: 1 • °.	75.	81.0	45.5	94.4	96 . C	98.4	95.4	00.0	100.0	00.0	100.0	100.0	10.0	100.0	100.0

DIRNAVOCEANMET SMOS

17-B.

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.7

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	. ≥ 4	≥ 5	≥ 4	≥ 1	≥ 24	≥ 2	≥ 114	≥ 11.	≥1	•	≥ 4	≥ %	≥ 5/16	≥ 4	20
NO CEILING				-	50.9	50 • A			. 1	50.8			50.9		50.a	50.6
≥ 20000	47	45.3	45.0		51.44 51.4	1.6	. <u>51 . 6,</u> 51 . 6	51.6	51.6		51.6	51.6	51.6	51.6 51.6	_ <u>51.6</u> 51.6	51.6 51.6
≥ 18000 ≥ 16000		45.3	45.7	49.2	51.6	1.6	51.6	51.6	1.6		51.6	51.6	51.6	51.6	51.6	51.6
≥ 14000	4 5	46.1	47.7	5 . 3	52.1	.2.3	52.3	52.3			52.3	52.3	52.3	52.3	52.3	52.3
≥ 12000	45.	45 . 4	\$C.Q	12.3	54.7	59.7	54.7	54.T	54.7		54.7	54.7	54.7	. <u> </u>	59.7	54.7
≥ 10000 ≥ 9000		12.3		66.4	6 P • 8	68.3	69.8	69.8	68.8		68 - 8	68.8	69.8	69.8	68.8	66.6
> 2000		93 <u>93</u>	71.2	74.2	76.6	75.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	74.6	76.6
≥ 7000 ≥ 7000		71.1	72.7	75.8	78.1	78.1	78.1	78.1	78.1	75.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 4000	2.7	74.2	75.8	77.7	82.3	°2.0	82.3	92.0	92.0		82.0	32.D	32.1	82.0	82.3	82.d
≥ 5000	14.2	75.3			85.9					<del></del> +	85.9	85.9	85.9	25.9	85.9	85.9
≥ 4500 > 4000	77.5		82.0		89.1	87.1				89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 3500	, · ·	91.3 91.3	45•2	89.1	93.0	93.0	93.0	93.0		95.0	93.0		-72• ;	93.0	_ : = = = = = = = = = = = = = = = = = =	93.0
≥ 3000 ≥ 3000	7 - 7	61.5		£ .1		93.A								93.8	93.8	93.8
≥ 2500		' 2 • i	85.₹	20.6	76.1	6.1	76.1		96.1		46.1	96.1	96.1	96.1	96.1	96.1
≥ 2000		( <b>? •</b> )	85.9		95.1	\$6.1			96.1		96.1		76.1	96.1	96.1	96.1
≥ 1800 ≥ 1500	• •	⊸2•↓ 2•↓	85.9 85.0	ି ବିଲ୍ଲା ବିଲ୍ଲା	96 · 1	96.1	96.1 96.1		96.1	96 • 1 96 • 1			96.1	96.1 96.1	96.1	96.1
≥ 1200	2.5			0 .6	97.7	* * * * * * * * * * * * * * * * * * * *	_ ············	· · · · · · · · · · · · · · · · ·			98	98.4	99.4	98.4	98.4	99.4
≥ 1000	7 • 5	12.3		90.6	97.7	97.7	97.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	ୃକ୍ତି		35.9		97.7		97.7		99.2		99.2	99.2		99.2	99.2	
≥ 900	ာ နှ	2.0			97.7	C7.7		29.2		99.2		99.2		99.2	:	99.2
≥ 700 > ±00		32.43			97.7	97.7	97.7	;		100.0						
> 500	ប្រវ	2.		9 6						100.0						7.7.7
≥ 400		2.0			37.7	97.7				100.0						
≥ 300	(. <sub>•</sub> 5				27.7		- 1		1	100.0	1					
≥ 200		, , Z • L		70.6	57.7	07.7				100.0						
≥ 100 ≥ 0	• 1			90.6	. •	27.7	97.7	,		100.0	1					

TOTAL NUMBER OF OBSERVATIONS

128

DIRNAVOCEANMET SMUS

..11

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	VISIBILITY (STATUTE MILES)															
FEET	≥ 10	<u> </u>	≥ 5	≥ 4	2 3	≥ 21/9	≥ 3	<b>≥</b> 1%	≥ 1 •	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ५	≥ 0
NO CEILING			4 1	44.	4 E . 1	49.0	50.7	3.5	FD.4	53.4	57.4	50.4	5 .4	50.4	50.4	50.4
≥ 20000	• 2	4 . 5	4 . 4	4 8	51.4	0		* 2 • 3		52.7			57.7		52.7	52.7
2 18000	•	45.3	4 . 4	40.4	51.2	~2. i	52.3	2.5	52 . T	52.7	52.7	52.T	52.7	52.7	52.7	52.7
≥ 16000	• .*	4 16 3	4 . 4	46.3	51.2	·2 · .	52.3	62.3	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ \4000	· '•'	• • 5	4 4	49.2	51.6	.2.3	52.7	E 2 . 7	53.1	53.1	53.1	53.1	7.1	53.1	53.1	53.1
≥ 12000	1.4	46. 4	5' • 2	\$2.0	54.3	55.1	55.5			55.9		55.9	55.9	55.9	55.9	55.9
≥ 10000	114.	55 • X	5 . 5	66.6	60.7	60.7	61.3	1.3	51.7	61.7	61.7	61.7	51.7	61.7	51.7	61.7
≥ 9000	- S.	51 • t	5 3	57.4	61.3	-2.1	62.5	42.5	62.9	62.9	62.9	62.7	62.9	62.9	62.9	62.9
≥ 8000	` 5.i	1.	6: . 4	6 4.	73.1	73.3	74.2	74.2	74.6	74.5	74.6	74.6	74.€	74 . 6	74.6	74.6
≥ 7000	:• :	-1.7	55.4	50.4	73.1		74.2				74.6		74 . 6	74 . 6	74.6	74.6
≥ 6000	5.5	62.1	65.3	66.3	73.4	74.2	4.5	74 . 6	75.7	75.0	75.0	75.0	75.0	75. ]	75.7	75.0
≥ 50 <b>0</b> 0			72.3	74.2	78.9		87.1	:				80.5	80.5	PC . 5	80.5	8C.5
≥ 4500	2.7	7 • 7	75.8	77.7	97.4	3.6		94.0	84.4	84.4	64.4	34.4	94.	9	84.4	84.4
≥ 4000	5.6	73.4	7 5	8 1.5	85.2	6.7	87.1	37.5	57.9	87.9	87.9	£7.9	87.9	67.9	57.9	67.9
≥ 3500	ۥ~	₹3.ε°	87.1	1.5ª	87.1	78.7	39.1	A 7.5	3 . 3	97.3	90.2	90.2	97.2	00.2	90.5	•c.2
> 3000	6.4	74.2		22.4	87.5	49.1	89.5	89.8	91.0		91.0	91.0	91.C	91.4	91.0	9:•7
≥ 2500	6.4	74.2	<b>5</b> 7.5	^2.4	E7. ~	89.5	40.5.	42.6	51.E	3.16	91.8	41.8	71.8	91.5	91.8	91.3
≥ 7000	67.2	75.0	\$1.3	13.2	97.2	-1.5	92.6	93.		94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	່ ບ່າ 🚉	75.0	a1.3	F3.2	₹0.7°	1.8	92.6			94.1	94.I	94.1	94.1	94.1	94.1	94.1
1500 ج		75.8	C3	F 4 . C	92.2	24 . 1	95.3	25 • 7.		96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1700		75.5	€2.7	54.7	\$ . D	5.3	95.5	77.3	98.4	98.4	98.4	98.4	90.4	95.4	98.4	98.4
≥ 1000	· • *	75.8	82.0	84.0	93.6	75 . 3	96.5	97.3	98.4		98.4	98.4	98.4	98.4	98.4	98.4
≥ #00	• •	75.8	82.0	44.3	93.7	25.3	96.5	77.3	98.4	98.4	9# 4	98.4	99.4	98.4	98.4	98.4
≥ #00	h .	75.8	82.7	F4.3	93.3	25.3	96.5	77.5			99.2	99.2	30.5	99.6	99.6	99.6
≥ 700	55.3	75.3	12.0	94 • CÎ	93.7	₹5.3	96.5	37.3	98.8	98.8	99.2	99.2	99.2	99.6	99.6	99.4
≥ 400	A - 3	75.4	87.7	84 . D	93.0	95.3	96.5	77.3	99.2	99.2	92.6	99.6	99.6	133.00	100.0	100.d
≥ 500	ু দুৰু	75.5	82.0	24.C	93.C	05.3	96.5	77.3	99.2	99.2	99.6	99.6	99.6	ino.Gi	100.0	10c.d
≥ 400	5 • "	75 . a	8 .0	c 4 . G	93.3	95.3	96.5			99.2			97.6	10.00	120.0	100.0
≥ 300	· •	75.8	87.0	84.0	93.0	5.3	96.5	77.3	99.2	99.2	99.6	99.6	99.6	20.01	100.0	100.01
200	65.	75.2	92.7	64.0	93.0	95.3	96.5			99.2			99.6	00.01	an.o	100.0
≥ 100	64. ~	75.6	82.7	P4.0	93.0	95.3	96.5			99.2						
2 0	b 1 .		82.0							99.2						

DIRNAVUCEANMET SMOS

1

- NAVA - ALATIQUE FOSSIL DETACHMENT ACHENICA NO

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ •	2 3	≥ 4	≥ 3	2 24	≥ 2	ביו ≤	≥ 1%	≥ 1	≥ 、	≥ •	≥ %	≥ 5/16	≥ .	≥ o
NO CEILING	7.	13.1	77.1	41.4	47.4	48.2	4 7 . 6	43.6	40.6	49.0	49.1	49.1	49.0	49.0	49.1	49.7
≥ 20000	· · · · 1.	:5.1	i • ².	45 22	51.4	52 2.	22.6	52.04	52.6	53.0	53.3	53.2	23.2	53.3	53.2	53.7
≥ 18000	. 1	15 • 1	3 . A	45.	51.4	52.2	53.6	2.6	52.6	53.0			£3.0	53.0	53.0	53.0
≥ 16000	, <u>, , , , , , , , , , , , , , , , , , </u>	35 a L	3 16.	4004	21.4	12.2	.52.5	. 52.54	52.6	إستعا	53.0	53.Q	57.0	. 11.0	53.3	53.g
≥ 14000 ≥ 12000	•	35.5	4 . 4	45.3	52.2	3.	53.8	53.8	57.0	_	54.2	54 • 21	54.2	54.2	54.2	54.2
	• • •	36.7		47.0	57.4	58.2	57.11	55.2	56.2	50.9	55.6	56.6	.⊇∴.₽. 59.8	. <u>20.</u> 5.	39.8 59.8	56 • q
≥ 10000 ≥ 9000	70.1	15.7		50.2	54.7	70 - C	50.8	6.2			6C 6	57.6. 50.5	6 . 6	67.6	60.6	60.6
≥ 8000	خ زر	41.4	1 2 2	- <del>- 2 - 2 -</del> -	62.6	3.4	54.1			64.0		64.9		. x.z.es.	64.0	64.9
≥ 7000	3.1	41.	42.6	54.2	63.4	64.1	64.9	65.3	- 1	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	3.	42.6	4 . 4	55.8	66.1	46.3	67.7	53.1		63.5	6P . 5	66.5	62.5	68.5	69.5	65.5
≥ 5000	• 3.	42 . 4	35.00	17.6	74.1	74.9	75.7	76.1	75.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 4500		1.4	6 .2	66.9		20.1	60. 9	21.3	31.3	82.1	82.1	82.1	32.1	42.1	92.1	8.7 • 1
≥ 4000	•1• .	53.b.	6 .	59 <u>.7</u>	82.0	84 . 1,	85.7	ુ લે કુ • 5∤	86.5	87.3	87.3	97.3	67.5	. t7 . <u>3</u>	67.	67.5
≥ 3500 > 3∩00	2.3	4.2		7 / 1	84.0		88.1	38.8	93.9	89.6	87.6	89.6	97.6	89.6	89.6	89.6
	• •	>5.	04.1	71.7	86.5	68.1	9: 4	71.2	91.2	92.4	92.4	2.4	.92.4	92.4	92.4	97.4
≥ 2500 > 2000	• •	25.4	54.5	72.1	87.3	88.5	91.5	72.7	92.4	93.2	93.6	93.2	93.2		93.2	93.2
> 1800		55.4	64.5	77.1		8.6	- 1 July 14			94.0	94.3	94.0		,	94.3	94.3
≥ 1500 ≥ 1500	. 4	55	64.9	72.5		89.2		73.2		95.2	95.2	95.2		95.2	95.2	
≥ 1200	3.4	55.	64.7	72.5	87.7	89.3		93.2	93.6	96.0	96.0	96.0	96.0		_ : · · ·	_ 1
≥ 1000	4	55.0	64.7	72.5	97.7	89.2	92.	93.2	94.0	76.8	96.8	97.6	99.0	78.0	98.3	96.3
≥ 1000	-3.4	55.9	64.9	72.5	87.7	99.2	97.3	73.2	94 . "	96.0	96.R	97.6	30.0	98.2	98.0	93.0
≥ 900	3 . 4	55.	64.9	72.5	87.7	89.2	+	: :: -+		98.		98.8	99.2	99.2	99.2	99.2
≥ 700	3.4	55.5	64.0	72.5						98.0			90.2	99.2		99.3
≥ 400			64.3	72.5			92.4			90.0			99.2		•	99.2
≥ 500 > 400	3 4	55.				6.6				98.4					99.6	99.4
	3	55.6. 55.	65.3	72.9	58.1	89.6	92.8			98.4		99.2	99.6	. ? ? <u>• 6,</u> 1 0 0 • 0	99.60 Dr. 00	
≥ 300 > 200	4	55.5			23.1	59.6		- 1		98.4		99.2	99.6		100.0	
≥ 100		55			68.1	99.								100.0		
2 100	_			12.2										100.0		

TOTAL NUMBER OF OBSERVATIONS 2

DIMNAVOCEANMET SMOS

...4

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERONS	VISIBILITY ISTATUTE MILES															
rit.	۱۵ ج	≥ a	≥ 5	2.4	≥ 3	ž 2'n	≥ 7	<u>≥</u> 19	<b>≥</b> 11.		≥ 、	2 6	≥ 4	2.5.14	≥ .	≥ 0
NO CEILING		4 - 3	4 . ~	• . 7	4 . 7	3.0	- 7.3	53.3	77.7	53.0	7.3	13.5	. 7	₹3.	53.7	53.
≥ 200000	•	12.3	3° . 7	50.5	A		60.2	1 • Z	00.00	· • 2.	50.7	63.0	~ C • Z	15.5	63.2	^~• a
≥ 180°00		ē • 7	5 1	57.2	6 . 5	~ J.6	43.5	6 6	<b>5</b> 0.6	€3.	67.0	5	5 . 4	50.5	60.6	50.5
≥ 14000	•		5: • 1	· 7 • ?.	• • 5.	1000	6		60.65	5 /	t ^ • €.	500	· ` • •	. 60•≒	63.4	60.6
≥ 14000	• *	3 • 0	5 > 4	57.6	€ <b>1</b> • 1	-1.0	61.	61.7	11."		51.	*1.	(1.7			****
≥ 12000	•	64.2	57.6	. 7	- ဗ. ှိ • <sub>ှ</sub>	2 • 1	67.	62.5	62.5	6	6.7	67.	b • •	62.0		1
≥ 10000	•	5.7		1.4	A 5 . 5		_				6 ?	· · · · ·		45.0		
≥ 9000		3 • 4		1.7	ut • T	<u> </u>	66.7		15.7		51.	66.7	56.7			56.7
≥ 8006	• 4	. 103	67.	4.4	71	C • 1		75.1			70.1		77.1		73.1	,
≥ 7000	•	1.47		1.4	7	_7(g	<u>70.a.</u>	70.2	77.0	9 و ي 7	70.5	70.8	70.5			7 . B
≥ 6000	1 • 1	•	54.	55.9°			72.5						77.0	72.0	12.3	72.0
≥ 5000	• •		6 / 6 1		75.4		75.8	75.8	75.8	76.1	76.1	76.1	• 1	76.1	76.1	76.1
≥ 4500	**		6		79 h	-				5.4			* • •	30.7	80.7	
≥ 4000	7 . 5	nt.7	• • •	75.4	44.5	5.6	86.7	3.6	F6.		00.4	20.4	85.4	97.5	30.4	96.4
≥ 1500	• :		72.4		35.6		_				87.5	-	27.00		67.5	
> 3000		48.0	77.1			89 68	87.0	89.D		85.6	87.8	85.4	61.7	#9.8	01 7	91.3
≥ 2500 > 2000	•		74.4				92.4		_	93.5				93.6		
_			74.6		. •					•3.6		93.6		93.6		i
≥ 1800 > 1900	3.0	10.7		78.8		91.7		97.9	-	93.5				93.0		
					9 5									05.5		
≥ 1200 > 1000		69.7			9' 9					97		. •		97.7		
		59.7														- 4
≥ 900 ≥ 800		67.7			90.9		93.6			97.7				29.2		
-					93.9									99.2		
≥ 700 > 400	5	59.7	_	73.6	90.9		93.6	3.9	-	-	_		_	99.2		
, ~		69.7												09		
≥ 500 ≥ 400	1	69.7		_	-								•	99.6		,
≥ 300		59.7														
2 200 2 200		57.7														
<u> </u>		69.7														
2 0	1	69.7						-	-	-						

TOTAL NUMBER OF OBSERVATIONS 204

AND A MEATON OF SHEED DATASHOOD ASH COLD NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

. 5.5

HOUSE 1.5.

				`	KOM											
CEILING FEET	VISIBILITY (STATUTE MILES)															-
****	≥ 10	> 6	≥ 5	≥ 4	5 1	≥ 2'5	≥ 2	≥ 119	≥ 1%	≥ 1	≥ ъ	≥ %	ځ ب	≥ 5 16	≥ .	≥ 0
NO CEILING	7.4	7:07	3 . 3	4: 5	41.4	41.6	41	41.5	41.6	41.0	41.5	41.5	41.5	41.6	41.6	41.6
≥ 20000	_		47.		51.9	-									51.9.	
≥ 18000	7	46.6	47.2	* . 4	51.9	61.9	51.7	F1.9	51.9	51.0	51.9	51.7	51.9	51.9	51.0	51.7
≥ 16000	77 • 7	16.6	45.2	. 4	51.2	1 . 9.	51.9	51.3	51.9	21.5	51.2	51.9	21.9	51.4	\$1.0	51.9
≥ 14000	7 • 1	4 !	51.2	77.3	53.5	3.3	53.8	53.5	53.P	55.0	55.9	53.8	53.8	43.€	53.4	53.8
≥ 12000	1.0	50.6	53.1.	14.2	55.1	-6 • <u>-</u> 5	56.5	56.5	55.5	56.5	56 . 5.	56.5	56.5	56.5	56.5	56.
≥ 10000	3.	-7.3	54.7	77.6	60.7	$\circ 1 \cdot 1$	61.1	51 • Y	61.1	61.1	61.1	61.1	61.1	61.1	51.1	61.1
≥ 9000	j. ^,	32.3	55.7	57.6	67.7	41.1	61.1	51.1	41.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 2000	4.3	્રે 3 . ે	57.€	56.5	63.3	13.4	63.4	43.4	63.4	63.4	63.4	53.4	63.4	63.4	63.4	£3.4
≥ 7000	T	14.5	54.4	15.3	53.7	+4.1	64.1	54.1	64.1	64.1.	64.1	64.1	64.1	64.1	64.1	64 . 1
> 4000	ُ ہے ۔	35.7	50.5	61.	5	.5.7	05.7	55.7	65.7	65.7	65.7	55.7	6 F . 7	65.7	65.7	65.7
≥ 3000	a+ • 4	27.E	61.5	53.7	67.9									69.1		
≥ 4500		< 1 • 1°	6 7	67.6	72.5	73.3	77.3	75.3	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000		54.5	61.7	71.	79.2	79.	79.4	74.4	9 1. 2	80.2	47.2	50.2	57.2	90.2	30.2	17.2
≥ 3500	• 1	67.7	77.1	74.8	82.4	3.2	34. 1	94.4	85.1	85.5	5.5	85.5	85.5	25.5	`& <b>5 .</b> 5`	85.5
> 3000		71.4	75.6	72.6	67.	37.0	88.6	€8.9	99.7	91	97.1	93.1	9 1.1	93.1	30.1	90.1
≥ 2500		77.7	77.1	5 L . 5	97.3											
≥ 2000			77.5		93.1											
≥ 1800		• • •,			91.1			- •		•	93.9					
> 1500			77.5								93.9				-	_
					311 3						94.7	•			94.7	
≥ 1200 > 1000	•				9 1						-	-	_			
_	•					· · · · · · · · · · · · · · · · · · ·				= " •		•		•		
≥ 900 > 800	• 1				90.1		92.5				97.3					
≥ 800	• •				93.5						99.5					,
≥ 700	•		77.5			11.2		-		-	98.5	-	-			
≥ 400	• `.				90.5											
≥ 500	• `				9 . 5						99.2					
≥ 400					9 , 9											
≥ 300		73.3	77.5	3 . 9	91 . 8	91.4	93.5	75.	97.3	90.5	30.1	99.6	29.6	ניסכו	100.0	100.0
≥ 200	7.3	73.3	77.5	8 .9	90.8	91.6	93.5	35.6	97.3	98.5	99.6	99.6	97.6	100.0	100.0	100.0
≥ 100	່ ວູ• *'	75.3	77.5	81.0	5 - p	51.6	93.5	95.0	97.3	98.5	99.6	99.6	99.6	1:0.0	100.0	100.0
ا ہ	0.7	71.1	77.5	63.9	913.31				_	- 1	-					

TOTAL NUMBER OF OBSERVATIONS

25.

DIRNAVOCEANMET SMOS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY -STATUTE MILES! ≥ 4 ≥ 5 16 ≥ 5 45.2 47.2 46.0 44.0 51.7 51.7 51.7 51.7 51.7 51.7 51.7 43.5 49.4 50.7 11.3 51.3 51.7 51.7 4 .5 49.8 50.7 51.3 51.7 51.7 J1.7 11.7 44.3 41. ≥ 14000 ≥ 12000 4-15-13. ≥ 8000 4.1 47.5 51.7 5 .9 11.7 50.7 4.1 47.7 50.7 62.4 63.1 64.6 63.5 67.5 63.5 63.5 63.5 65.7 65.7 65.7 65.7 65.7 3.1 57.1 53.5 63.5 63.5 67.5 04.6 64.9 64.9 63.7 F5.7 5000 65.3 -6.1 57.5 60.3 61.3 69. 69.0 74.9 75.7 5. . 5. 71 . 6 74.2 74.9 75.7 75.7 ≥ 4500 ≥ 4000 4.5 5 .) 04.6 76.4 77.1 79.3 6. 61.6 67.2 89.8 1.6 34.1 5 . 1 . 8 . 1 . 8 . 8 . 8 . 8 . 8 . 8 . 5 . E 14.9 94.9 85.5 95.6 85.6 15.6 | 50.07 m | 03.07 | 04.01 | 06.07 | 07.08 | 57.09 | 68.09 | 86.09 | 86.09 | 86.09 | 68.09 | 68.09 | 25.2° ` 39.7' 89.7' 90.4' 90.6' 91.8' 97.6 6.4 89.3 1.5 91.5 92.3 92.6 92.6 92.5 91.5 91.5 92.3 92.6 92.6 92.6 ~4.€ 7 .1 -6.4 87.3 92.5 92.6 02.3 92.3 94.7 04.1 94.5 04.5 04.5 04.5 04.5 02.6 02.6 04.1 94.5 94.8 94.8 04.8 04.8 16.7, 97.0 84.5, 7 .1, 85.2, 7.1 95.2 9 " . 4 1200 7.1 9 .P 97.7 94.1 95.6 95.9 96.3 96.3 96.3 7.1 90.8 93.7 94.1 95.6 95.9 96.3 96.3 96.3 93.7 94.1 95.6 95.9 96.3 96.3 96.3 46.3 70.1 900 800 7.1 91.1 94.5 95.2 97.1 97.4 7.1 91.1 94.5 95.2 97.4 97.3 95.4 700 600 75.1 85.2 7-1 91-1 94-8 95-6 97-8 98-2 98-5 59-5 93-5 98-5 98-5 96.7 17.5 45.2 15.6 98.5 98.9 7 . 1 91.5 99.3 99.3 99.3 99.3 99. 17.8 91.9 75.9 56.7 91 .9 99.3 94.6 99.6 99.6 99.6 99.6 .5.2 7.8 91.9 95.9 97.1 99.3 99.6100.0137.0100.0130.0103.0 300 200 91.9 95.9 97.1 99.3 99.61 75.01 cm.0120.0100.0100.0 7.3.91.9 ~7.ē 7.8, 91.9, 95.9, 97.1, 99.3, 99.61100.0100.0100.0100.010

TOTAL NUMBER OF OBSERVATIONS

201

DIRTA FOCEANMET SMOS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CHING							VISI	BILITY :STA	ATUTE MILE	. S						
· e e ·	≥ 10	2. 6	≥ 5	≥ 4	2.3	≥ 7'5	≥ 2	≥ Pa	<u>≥</u> 1:,	≥ 1	≥ 4	≥ 4	≥ 5	≥ 5 16	≥ .	ž 0
NO CEILING		. ,	4.	4 . 7			4 . 4	is 45 . 14	1. la	44.	44.4	44.3	44.3	44.7	44.5	4.
≥ 70000		1 - 1	4/,	4 7 7	47.3	4:00	42.1	· • 1.	4 - 1	4 : 22.	4	43.6	40.5	49.8	49.6	÷.,
2 18000	٠.	11.	4 7	4 ?	47.0	. ^ . 7	47.1	8 1	47.1	47.	47.5	4	40.6	44.5	47.4	30.
± 1600€			4 .	4 7 . 7.	→ ? • ¢.	45	4 4 . 1.	+ 1.	4 . 1	4 9 . 4.	4.7 . 2.				49.5	
≥ 14000		1.	4 .	45.7	47. 0	4	47.1	4 . 1	43.1	47.6	41.5	40.00	47.6	4 ? . t	49.4	
≥ 12000	1		4 .	7.44	5 • 3		51.5	1 . 3	1.7	54.7.	51.7	41.7	.1.7	31.7	1.1.7	
2 10000	1.	7	1.7	1.5	57.0	7.4	55.3		5 9 . T	33.7	5 . 7	52.7	7	38.7	58.7	٠,٠
≥ 9000	• 1 •		51.4	. ( )	L. T 🛬	57.3	2-7	50.7.	J	52.24	11.	3001	F . 1	54.1	33.1	50.
≥ 8000		. 3. 7	5, 7, 9			4.4	35.3	5.2	4.	45.7	65.7	55.7	55.7	65.7	25.7	4 6
≥ 7000	• •	- 4 . 4	£. • ?		.4 . 4	5.3	16.1	44.1	12.1	59.	61.	65.5	56.5	66.5	66.5	67.
≥ 6000	• • •	1. 14. 1		. 1.7	7	€.5	67.4	67.4	6 7 . 4	67.5	57.5	57.9	57.F	47.2	57.3	5 ,
≥ 5000			1		52.1		7:_• :	7. • ?	73.9	71.2	71.5	71.5	71.3	71.3	71.3	7.1
≥ 4500 °	٠,		11.1	• • •	73.9	3.2	74.5	77.	77.0	77.4	77.4	77.	77.4	77.4	77.4	77
≥ 4000		. • 5 • •.	٠٠, ١		7 :	79.0.	F1 . 3.	11.7.	31.7.	3 6 0 6	8 2 . 2.	3212	± 2 <b>,</b> 2,	°2.2	\$ 2 . 2.	۲.
≥ 3500		7	7.	4.5	· • t	2.7	11.	is is	-4.4	34	84.3	54 . R	- 4 . R	34.9	- <b>4</b> . P	
> 3.00C		57.4	71.7	76.1	52.6.	4 . 4	36.5	1.7.4.	47.4.	07.0.	57.3.	£7.9.	J7.5	57.8	87.4	÷ £ .
₹ 2500	4		7	26.0	7 • C	5.7	. 1.4	14.5	7	- 3 - 7	7 - 7	83.7	2 R . 7	48.7	38.7	8.9
2000		•	77.0	. 77	17.5	6.1	81 . T.	· / · b.	30.6	95.1	· )•1,	پ 🔹 🤉 ۾	4r.n	10.0	~ <b>? .</b> ~	Ψ.
2 1800	•	7 7	73.0	7.4	- 5 · 3	5 . 5	36 . ?	•	., ^ <b>, ∩</b>	Q #	G 1 . H	7. 4	9.4	07.4	93.4	ć.
≥ 1500	1.	9.1	73.5	. " 7 . 8	45.00	-7.0	20.0	1.5	51.3	11.7	y 1.2.	32.2	57.7	22.2	92.2	ς ;
≥ 1200	1.	· · · 1	7	7.3	35.7	7.3	90.4	73.0	93.0	÷3• €	04.4	94.4	94.4	04.4	C4.4	Q 4
· 1000	1.	. 14 • 1.	7'.	. ~7.8	F 10 1,	19.1.	91.7	4.5	94.6	93.2	36.1.	95.1.	5.1	56.1	75.1	CF.
<b>2 900</b> 1	1.	- 1	77.5	77.5	44.1	~ 9 • 1	41.7	14 . 4	94.2	95.2	9 5 • 1	96.1	· · · 1	36.1	46.1	۾ ج
2 000		. 1	73.5		Really		42.2	75.2.	36.4	91.5	97.6.	97.8	97.8	97.€.	97.8	95
2 700	i . '	1	77.6	77.4	97.		42.6	5.5.7	46.5	¥7.4	98.3	98.3	7 d . 3	9 : . ?	OR. 3	₹ ₹
≥ <b>+00</b>	1.	, K) . /.	73.7	7 . 3	r 7 . 4		·	45.1	47.	97.4	9 - 1.	9 2 . 7.	90.7	98.7	78.7	83
≥ 500	1.	* 4 . 5	7 ?	78.5	57.4	'-C - 4	93. ~i	06.1	47.5	97.8	99.7	98.7	73.7	48.7	99.7	Q Ç
ž 400		. 64.0	77.9	. 1 1 . 2	11.8	70.7			97. P.	98.7	90.6.	74.6.	17.6	99.6	59.6.	113
≥ 100	1.	1.	77.0	7 . 3	- 7 <b>,</b> ∃	30 · 3;	93.5	66.5	97.9	93.7	99.6	99.5	60.6	23.6	00.6	176
≥ 200	1.3		7 . 4	7 . 3		30.≯	93.5	-6.5	97.4	98.7	40.5	99.4	29.6	99.6	39.5	1 5
> 100	1.	,	77.9	* * <u>*</u>	7.9	90.9	91.5	b • 5	57.3	93.7	99.5	49.6	79.6	00.5	99.5	170
> 0	1 2	10.0	71.3	7: . *	- 7 R	· o	93.5	46.0	47.4	99.7	99.6	4.60	43.4	79.5	99.6	10.

Justine Lighter Committee

TOTAL NUMBER OF OBSERVATIONS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13-25

4 L L

CEUNG	i						VISI	BILITY (STA	TUTE MILE	:S1							
##ET	≥ 10	ž 6	2.5	≥ 4	5 1	≥ 2%	≥ 2	≥ 115	≥ 1/4	≥ 1	≥ %	≥ %	≥ 4,	≥ 5	16	≥ .	≥ 0
NO CEILING	•	7.	4	47.4	40.0	47.0	47.5	47.6	47.7	47.F	47.8	47.8	47.8	47	• 8	47.8	47.7
≥ 20000	• •	43.4	40.0	• •	7	12.3	52.7	· · · · · · · · · · · · · · · · · · ·				53. 3	57.7	5.3	• ₫	53.7	53.7
≥ 10000	•	13.0	4 . 6	u .		2.4	52.7	55.8	5.3 🖟 🤼	33.0	53.0	53.cl	51.0	53	• 7	53.)	53.1
≥ 16000	• -	• 3 • f	41.5	1000	72.	4	52.7	.52.3		5 3 · i	53.0	53.0	. 3.0		•	53.0	53.1
≥ 14000	•	14	4 7 .	4	52.3	2 . د	53.5	55.7	55.0	53.9	53.5	53.9	51.9	5.3	٠ ٢	53.9	- 1
≥ 17000		43.7	4 . 1.	1.2	15.1	5 • 4	55.7		. B. C. O. M.	5 v . Z	56.2	56.2	5 . 2	5.5	:	55.2	56.2
≥ 10000	-3.7	n. • t	27.7	rá.1	.1.	1 • 4	61.7			02.2		52.2	52 <b>.2</b>			02.2	
≥ 9000	4.	(3 • <u>3</u>	54•2	1 to 6	41.6	<u> </u>	62.5		<u> 62.7,</u>	62.8	67.8	62.4	62.8	62	٠.,	62.8	65.9
≥ 8000	• • •	4.5	3 . 7	11.4	56.3	57.3	67.8	47.0		60.1	61.1	68.1	e · . 1	68	• 1	68.1	68.3
≥ 7000	• 7 • .	. 4 . 4	5:01	61.0			64.4	68.5		6 3 . 7	68.7	68.7	63.7	68		68.7	65.0
≥ 6000	?	· 5 • *		6 2 • A	63	49.4	-			73.3				-	-		1
≥ 5000	1.7	1 . 7		1 5 . 7.	7.3 • 1.		74.2	74.4	· · ·		74.8	74.6	74 . 5	74	٠.,	74 . 8	74.9
≥ 4500	4.1		<b>L</b>	_		78.4			-	70.2	4.0 ° 6	79.8	75.0	79	• 9	79.9	70.5
≥ 4000	• • •	> <u>`</u> • .	7 . 3.	74.1	- · · ·	<u> </u>	33.9	34.3.	4	34.8	84.3	84.8	84.8	A 4	• <u>8</u>	64.8	54.9
≥ 3500		06.4	-	-	-					97 <b>.</b> 7	-	87.7	87.7		-	87.7	57.6
> 3000	•			77.2.					· ·		90.4	•	<b>9</b> . 4	90	•	93.4	9: • 4
≥ 2500	• ~		-	77.4								•				92.7	
≥ 2000	• 5			7 . 5						93.3		93.4	07.4	-	• •.	93.4	93.5
≥ 1800	, , ,			7 . 6					-	93.4					_	93.5	
≥ 1500	• 7	•	-4	7 • 0	•						74.7		74.7		• •	94.7	64 . A
≥ 1700	• 7			7 . 8	-	1.3			-		-		_	96		96.0	
≥ 1000		64.0				•				97.9			97.5			97.5	}
≥ 900		6.84				41.5				97.5			-			97.5	
≥ 800	• 7.	56.5			•	~ .			96.6	- •	+	98.7			٠-,	98.P.	98.9
≥ 700	• 7			73.8	-	• -	-				_		_		-	59.0	- 1
≥ 400		68.3		75.9						95.4						99.3	99.3
≥ 500		50.9		• •				-		90.5			-		_		
≥ 400		58.9			90.3		94.2.			78.8						99.8	- 4
≥ 300	l .	4.6	_							93.9	-						
≥ 700		58.9			4 3.					93.9							
≥ 100		f. a . )		•	97.7			-	-	95.9	-		-				
<u> </u>	L • 7	68.9	74.5	70.11	97.3	2.1	94.3	<u> </u>	97.5	78.9	99.4	49.7	99.8	99	9.	79.91	الامتت

TOTAL NUMBER OF OBSERVATIONS 1736

HAVA CEANMET SM IS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							V1\$11	BILITY (STA	TUTE MILE	15)						
FEET	≥ 10	≥ 6	≥ 5	≥ 4	5 J	≥ 21/3	≥ 2	≥ 11 <sub>9</sub>	≥ 1%	≥ 1	≥ 6	≥ %	2 %	≥ 5/16	≥ .	≥ 0
NO CEILING		20.5	27.3	27.9	30.1	30.4	30.2	30.9	33.3	30.4	30.9	32.9	37.9	30.9	37.9	31.5
≥ 20000	, 5	77.	20.7	12.4	11.6	31 . 4	32 .4.	32.4	12.4	32.4	32.9	32.4	12.4	32.4	32.4	35.1
≥ 18000		.7. 1	25.7	29.4	31.6	11.6	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	32.4	33.1
≥ 16000	• •	77.3	21.7	£7.44	31 . 6.	11.0	32.4	32.4	32.4	32.4	22.4	32.4	12.4	22.4	32.4	33.
≥ 14000	1 6	17.0	20.7	30.2	32.4	32.4	33.1	73.1	33.1	33.1	33.1	33.1	37.1	33.1	33.1	33.
≥ 12000	1.	53.1	33.6	35.3	37.5	37.5	32.2	_	31.2				33.2	38.2	33.2	39.
≥ 10000		41.	44.1	4 . 6	47.5		49.3						47.3	49.3	40.3	50.
≥ 9000			4 5 . 6	47.1.	50.0		51.5						51.5	51.5	51.5	52.2
≥ 8000	4	47.1		2	55.2		56.0						55.6	56.6	56.6	57.4
≥ 7000	4 . 5		-	53.7.										58.1		
> a000	4			2			57.6							59.6		6C - 3
≥ 5000	2	• -	- •	50.5					-			-	-	65.4		
≥ 4500	2						,							71.3		
> 4000				67.7						-		-	-	77.2		
- 1	4		64.7		75.7		78.7				79.4	79.4	79.4	79.4	_1.l • £,	8 3
≥ 1500 > 3000							67 1	PT.A			· . ·		:			
Ť.	/ • i,		•			10.9	- <del>2</del> ± 3 € 3.	4 I A.	93,	* . F. B. * 4	33.4	9.3.8	23.8.	63.5	\$3.8.	, , , ,
≥ 2500 ≥ 2000	. • •		5 . 4	-72-1	83.1	14.6	66.8	97.5	37.5		87.5	87.5	87.5	87.5	87.5	
2 2000	1.		6 - , 4		34.	<b>9 €</b>	38.2	\$9. <u>0</u> ,	83.5	89.7	80,7	87.Q	80.3	89.4		
≥ 1800	1.0	4 . 7	63.3	73.5	94.5	<b>^6</b> • ′	89.2	80.5			85.0	89.0	83.0	89.0	89.C	89.7
≥ 1500		4 . 7	. 6 o • o •	73.5	26.3	89.7	,	•		92.7.	•		92.7			
≥ 1200	1.	c4 . 7	60.3	73.5	89.1	71.0	94.1	16.3	96.3	96.	96.3	96.3	96.3	76.3	96.3	97.1
≥ 1000	1.5	54 • 7	60.0	73.5	57.7	92.7	94,9	97.1	97.1.	97.1.	97.1.	97.1	97.1	97.1	97.1.	97.8
≥ 900	1.	14.7	69.9	73.5	84.7	2.7	94.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.8
≥ 900	1.5	:4.7	62.9	73.5	97.4	43.4	95.6	97.8	97.5	97.8	97.8	97.5	97.8	97.8	97.8	95.5
≥ 700	1.	4.7	65.9	73.5	90.4	73.4	95.6	97.8	97.A	97.8	97.6	97.8	97.5	97.8	97.8	98.5
≥ 400	1.8		69.9	73.5		33.4		07.8		97.8				97.8		
> 500	1.1	64.7	63.9	73.5	90.4	73.4	05.6	97.8						98.5		
≥ 400	1	64.7	62.0	73.5	9 .4	93.4				97.3					99.3	
> 300	1.1		7 - 7 mag	73.5			95.6								99.3	
> 300	1.			73.5		1	95.5							1	99.3	
				73.5											3	
≥ 100 > 0				71.5											1	
		- F	B 9 - 3	115	V 1 . A!		W 3 - Fr		w /	w 7 . 4		V R . 5	- N - S	V =	V	

TOTAL NUMBER OF OBSERVATIONS \_\_\_

130

DIRPHA COCENTMET SMOS

11

411

17-A 

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- 03 - \*\*\*\*\*\*\*\*\*\*\*

CEILING							<b>∀</b> I\$I	BILITY (STA	ATUTE MILI	ES)						
PEET	≥ 10	≥ 6	≥ 5	≥ 4	2 1	2 24	≥ 2	≥ 1%	≥ t:.	≥ı	2 %	≥ <b>4</b> ,	 ≥ ∖ <sub>0</sub>	≥ 5/16	≥ .	≥ 0
NO CEILING	•	75.1	24.3	.7.5	53.8	8.0	27.6	20.6	27.6	56.6	20.6	27.6	20.6	27.6	29.6	29.6
≥ 20000	i .	. 4.	31.7	33.1	75.2	35 . 2	35.9	15.9	30.9	35 . 9	35.7	35.9	35.9	35.9	35.9	35.9
≥ 18000		31 • <sup>3</sup>	31.7	73.1	3 - 2	35.2	35.9	35.0	35.0	35.9	35.7	35.9	35.9	35.9	35.9	35.9
≥ 16000	t.	(1) :	31.7	33.1	35.2	35 . 2	35. 1	35.9	35.9	35.9	35.9	35.9	3 . 9	35.9	35.9	35.9
≥ 14000		31.j	31.7	37.1	25.2	35.2	35.3	15.9	35.0	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 12000	i.)	75.2	3	33.0	40.1	40.1	40.9	40.9	40.9	43.9	47.9	43.9	47.9	40.9	40.9	43.9
≥ 10000	•	` 43.ວິ	47.7	47.2	47.3	49.3	50.0	e 9	ំប្រ.ក្	5 U . U	30.0°	50.3	sn.n	50.0	50.3	50.0
≥ 9000		44.4	45.1	43.5	50.7	SD. 7	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 8000	4 .	` ዛጣ <b>. ፻</b>	52.	56.3	59.2	59.2	59.9	57.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 7000		:1.4	53.5		39.7					63.0					60.6	60.6
> 6000	47.	13.5	55.6	19.2	62.0										62.7	62.7
≥ 5000	1	55.3	55.5	62.0	65.F	65.5	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
> 4500	3."	61.3	63.4	66.3									71.8	71.6	71.	71.8
≥ 4000		56.2	60.	72.5	79.6	79.6	21.7	s1.6	31.7	81.	61.0	61.2	31.0		31.D	81.0
> 1500	,	59.3	71.8	76.1							64.5		84.5			84.5
> 3000	1	69.3	73.9	75.2		5 . 2		F6.6			86.6	86.6	66.6	86.6	86.6	86.6
≥ 2500		6 7 . 3	73.5	70.2	85.5	25.9									88.0	88.9
> 2000	,,,,			7:02			89.4			90.1					90.1	90.1
	5	49		73.2						20.1						
≥ 1800 > 1500	, ,	59.	73.9	73.2		89.4				92.3				92.3		
	,			78.2									- 4			
≥ 1200 > 1000		59.		78.0			96.5		-	95.6	-	-	03.6		98.6	98.6
-	3			7 . 9						98.6						98.6
2 900 > 600	,		_	73.9			97.2			99.3		-				
-				7: 9						99.3						
≥ 700 > <b>600</b>	,			7 9	- 1					99.3						
-	•			70.9												
≥ 500 > 400	1	_								- ["				,	. 1	
5 400		59•		71.9	* · · = * · · · · · · · · · · ·					100.01						
≥ 300	3			75.9						100.01						
≥ 200	5 / 6 %				92.3	73.				100.01						
≥ 100				78.9		<b>3.</b> €				נום•סרו						
≥ 0	12.03	59.0	74.7	79.9	92.3	-3.	97.2	98.6	98.61	170.01	.00.01	00.01	. C C • C).	1 0 0 • 0:1	100.00	100.0

TOTAL NUMBER OF OSSERVATIONS 142

DIRNAVOCEANMET SMOS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MIL	ES)						
*****	≥ 10	≥ 6	≥ 5	2 4	≥ 1	≥ 24	2.2	≥ 14 '	≥ 14	≥1	≥ •	≥ 4	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING	71.	26.3	3 . 7	3.8	36.01	37.5	3 4 . 9	39.3	30.3	39.3	30.3	39.3	30.3	39.3	39.3	39.
≥ 20000	2	1.04	33.5.	27.5.	42.7	43.3	44.7	45.1	45.1	للمكف	45.1	45.1	95.1	45.1	45.1	45.1
≥ 18000		26.4	3	7.0	47.7	43.3	44.7	95.1	45.1	4 . 1	45.1	45.1	45.1	45.1	45.1	45.
≥ 16000		. 4	37.3	31.2	42.7	43.3	44.7	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.
≥ 14000		1.1	34.5	3 - 6	43.3	44.7	45.4	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.
≥ 12000		33.3	31.2	41.3	46.4	47.4	48.8	49.2	40.2	49.2	49.2	49.2	42.2	49.2	49.2	44.
≥ 10000	7.3	76.3	40.3	4 . 1	51.	53.6	55.3		55.7			56.0	55.0	56.0		56 .
≥ 9000		77.5	41.D	45.7	52.6		- 1			56.7			56.7		56 . 7	56.1
> 8000		4 7	4 - 1	50.9	50.3	59.7		61.9			67.1		67.1	42.1		62.1
≥ 7000	3.1	43.1	44.4	\$1.2	53.4					62.5			62.5	62.5		62.5
> 4000	14.4	44	47.4	52.2	5 .4	61.1				63.5						63.5
> 5000	re T	46.1	40.9	4.6				1		66.2			66.2		56.7	
> 4500		49.5	54.6	59.4	67.2			·		72.0			72.0		- 1-E 1 1*	
> 4000	3.3	5.3			74.4		79.8			79.9			79.9			
· I †	4 4	57.C		57.6	77.1	79.2		2.6	43.3	83.3	83.3	4 7 . 7	93.5	93.3	87.7	63.
≥ 3500 > 3000	4 7	59.0		70.0	81.9	<b>.4.3</b>	86.7	A8.1	85.7	38.7	88.7	88.7	88.7	82.7	89.7	88.7
		9.4		70.7	42 4	5.0	37.4	FA. 7	33	89.4	89.6	89.4	AGA	R9.4		89.4
≥ 2500 > 2000	4	. 6 . 4	46 7	70 7	A 7 . T	55.7		89.4:	90.1		90.1	97.1	97.1	90.1	90.1	
- +		9.4	55.2	15.	83.3		~~.		- 1	. : =.z.z.			90.1			40.1
≥ 1600 ≥ 1500		50.4	41 3	7 7	42 7	15.7	88.1	89.4	97.1		90.1	90.1		90.1	93.1	
_ ∔	. 45 • I.	1 2 2	200	. <u> </u>	0.0	Z = 14	88.4	- 7 T-↓	<u> 90•4</u>		90.8	90.8	90.9	90 - 8	90.8	90.8
≥ 1200 > 1000	4.1	59.4		7. • 7	P. #9		97.4	92.5			93.9	93.9	93.9	93.9	93.9	93.9
2 1000	4 1		65.2	/1	34	47.7	91.5	04.2	94.9		95.6	95.6	• 6	95.6	95.0	95.6
≥ 900	4 • 1	59.4	6 • 2	71.0	54.6	7.7		1	_	95.6		95.6	95.6	95.6	95.6	95.6
≥ 600	4.	59.7	9 • 5	71.3	85 · T	59.1,	92.8	96.3	7.3		78 • O		98.3	38.3	98.3	98.3
≥ 700	4 • 4	59.7	65.5	71.3	35.7	E9.1	92.8			98.0	98.3		98.3		!	98.3
≥ •00	. • • .	59.7	65.5	71.3	55.7	89.4	93.2		97.6		98.6	99.3	99.0		99.0	99.0
≥ 500	4 . 4	39.7	65.5	71.3	P5.7		93.2		- 1	99.0	99.D		99.3	99.3	99.3	99.
≥ 400	4 4.	*	55.5	71.3	86.0		93.5	-6.9		99.3	99.3	99,7	99.7	99.7	99.7	
≥ 300	46.4	59.7	65.5	71.3	86. 1	89.5	93.5	96.9	98.3	99.3	99.3	99.7	Lan.d	100.0	100-0	100.0
≥ 200	4 . 4	59.7	65.5	71.3	86.	89.8	93.5	76.9	98.3	99.3	99.3	99.7	00.0	100.d	100.0	100.0
≥ 100	4 . 4	59.7	65.5	71.3	84.	19.8	93.5	96.9	98.3	99.3	99.3	99.7	1.0.0	100.d	100.0	100.0
5 6	4.4	50 T	65.5	71 7		00 0		74 B		99.3	60 T	00 7	ח חרו	100 n		

OTAL NUMBER OF OSSERVATIONS 29

DIRNAVUCEANMET 5MOS

- 44

NAVA, WEATHER SERVICE CETACHTO NE ASHESIVEE NO

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. 13-12 .....

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.9

CEILING							VISI	BILITY (ST	ATUTE MILI	ES)						
PEET	≥ 10	≥ 6	≥ 5	2 4	≥ 3	≥ 2%	≥ 2	≥ 113	≥ 11.	≥ ι	≥ ⊾	2 %	≥ %	≥ 5-16	≥ .	≥ 0
NO CEILING	: • 5	3 3	•	₹3.	37.5	10.5	38.5	33.6	34.5	3F . b	32.0	38.5	37.6	38.5	38.6	3€.6
≥ 20000	1.1	31.4	3	4	40.0	47.0	47.0	47.0	47.0	47.1	47.0	47.3	47.0	47.	47.7	47.3
≥ 18000	1.1	71.4	3	4 . 3	46.7	47	47.0	47.D	47.0	47.1	47.0	47.0	47.d	47.0	47.0	47.3
≥ 16000	1 • 1	71.2	34.	4 . 3	46.0	47.3	47.0	47.0	47.7	47.D	47.0	47.0	47.0	47.0	47.0	47.0
≥ 14000	1.3	31.5	37.7	41.1		48.1	49.1	43.1	43.1	43.3	48.1	48.1	4 2 . 1	48.1	48.1	48.1
≥ 12000	1.	37.0	3 . 3	43.2	49.5	50 • 5	50.5	52.9	5 7 9	50.	20.00	55.9	50.9	50.7	50.9	50.9
≥ 10000	. 4	37.2	47.3	47.7	55.1	55.5	54.8	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3
> 9000	4 •	77.5	44.2	4 1	56.1.	*7.5	57.9	58.3	58.3	58.3	59.3	58.3	58.3	56.3	58.3	58.3
≥ 8000	`• 4	41.1	47.7	51.9	63.4	61.8	62.1	62.5	62.5		62.5	62.5	62.5	62.5	62.5	62.5
≥ 7000	•	41.4	40.1	3	63.7	62.1	62.5	62.8	62.8		62.8	62.8	62.8	62.8	62.8	62.9
≥ 6000	. 4	42.1	48.5	53.	61.4	62.8	63.2	43.5	63.5	63.4	63.5	63.5	63.5	63.5	63.5	63.5
≥ 5000	•	45.6	52.6	57.5	66.7	48.1	68.4	68.8	69.5	69.1	69.1	69.1	€ ° • 1	64.1	69.1	69.1
≥ 4500	7 × • 6	1.6	51.3	64.6	74.3	75.4	75.8		76.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4000	7 - • 1	J5 • 1	67.8	69.1		32.6		83.9	83.9		84.2	5.45	94.2	84.2	64.2	84.2
≥ 3500	8.	50 · 1	64.2	73.5	82.5	14.9	85.3	6.0	55.0	86.3	2.63	86.3	80.3	86.3	86.3	86.3
> 3000	* • >	19.0	67.0	73.3		48.8	89.5		20.5			90.9	97.9		90.9	୨୦.ସ
≥ 2500	31.6	59 · J	67.0	73.3	36.0	F8.8	89.5	<u>, 6</u> €	90.9	91.2	91.7	91.2	91.2	91.2	91.2	91.0
≥ 2000	3 .	54.3	6 . 4	73.7	86.7	69.5	90.2	71.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1800	5.0	n•3	67.4	73.7	86.1	89.5	90.2	21.6	91.6	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1500	4.0	59.3	67.4	75.7	86.7	89.5	90.5	92.3	92.3	92.6	92.6	92.6	97.6	92.6	92.6	92.6
≥ 1200	₹ /•	59.3	67.4	73.7	84.7	89.8	97.9	93.7	94 . C	94.4	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1000	3 • 1	5.9 . 3	67.4	73.7	86 . 7	20.2	91.2	44.7	95.4	95 . A	96.1	96.1	96.5	96.5	96.5	96.5
≥ 900	3.0	59.3	67.7	74.0	87.G	90.5	91.6	45.1	95.8	96.1	96.5	96.5	96.F	96.8	96.8	96.8
≥ 600	* ~ .	59.3	67.7	74.0	37. M	90.9	91.9	95.4	96.5	97.5	97.9	97.7	99.5	98.6	98.6	98.6
> 700	35.0	50.3	67.7	74 . [	97	71.2	92.3	95.8	96.1	97.9	96.3	98.3	98.6	99.0	99.0	99.3
≥ 600	34 . 3	59.3	67.7	74	87 . C	91.2	92.3		96.8	97.9	90.3	98.3	98.6	99.0	99.0	99.0
≥ 500		59.3	67.7	74.0	67.0	91.2	92.3	96.1	27.2	98.5	99.0	99.0	99.3	99.7	99.7	99.7
2 400	35.0	59.3	67.7	74.0	87.0	91 . 2	92.3	96.1	37.2	98.6	99.0	99.0	99.3	99.7	99.7	99.7
≥ 300	74	9.3	67.7	74.0	87.4	91.6		96.5	97.5	99.0	99.3	99.3	99.7	10.01	00.3	00.0
≥ 200 ≥ 200	30.	59.3			87.4		- 1		1	- 1		1	- 1	100.01		
≥ 100					87.4									100.01		
ž 0	39.													100.01		

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

CEILING FEET						•	VISI	BILITY (STA	ATUTE MILI	ES:	<u>-</u>					
	≥ 10	≥ 6	≥ 5	2.4	≥ 1	≥ 2%	≥ 2	≥ 1%	≥ v. :	≥ 1	≥ %	2 %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING	`t.	34 . 4	35.7	36.4	37.0	77.4	37.4	37.4	37.4	37.4	37.4	37.8	37.8	37.8	37.8	37.8
≥ 20000	13. 1	47.9	4 5 . 9	47.3	95.6	48.6	48.6	48.6	48.5	48.6	46 . 61	49.11	40.0	4.9 4.1	49.0	49.0
≥ 18000	73.	42.1	45.9	47.3	48.6	43.5	43.6	48.6	48.6	40.6	48.6	49.7	49.0	49.0	49.1	49.0
≥ 16000		42.4	45.9	47.3	43.6	43.4	48.6	48.5	48.5	46.6	48.6	49.7	40.7	49.3	49.0	49.0
≥ 14000	· · · · ·	44.5	4 " . d	40.3	51.ď	51 · Q	51.0	51•N	51.1	51.4	51.U	51.4	51.4	51.4	51.4	51.4
≥ 12000	30.07	45.6	44.7	1.4	53.7	53.7	53.7	53.7	53.7	53.7	53.7	54.1	54.1	54.1	54.1	54.1
≥ 10000	- 1	•	54.4	56.5	40.5	19.5	60.2	46.5	63.5	60.5	60.5	6C.9	67.9	63.9	60.9	60.9
≥ 9000	1.1	5 3	54 . 3	56.8	59.9	59.9	67.5	60.9	63.9	60.9	60.9	61.2	61.2	51.2	61.2	61.2
≥ 4000	1.2	.2.7	57.8	5' . Z	63.6	63.6	64.4	65.7	65.7	65 . Q	~5.d	65.3	65.3	65.3	65.3	65.3
≥ 7000	-1.	5 3 . 4	59.5	6".9	65.3	15.7	66.7	67.7	67.1	67.4	67.0	67.4	67.4	67.4	67.4	67.4
≥ 4000	41.1	53.4	5 5 . 5	61.2	65.7	66.7	67.0	67.4	67.4	67.4	67.4	67.7	67.7	67.7	67.7	67.7
≥ 5000	2	55 a 1	67.9	63.3	6 . Q	68.7	69.7	70.1	73.1	76.1	70.1	70.4	77.4	73.4	70.4	70.4
≥ 4500	44.3	56.1	61.9	64.6	72.1	70 . 8	71.8	72.1	72.1	72.1	77.1	72.5	72.5	72.5	72.5	72.5
≥ 4000	41.5	40.4	67.7	70.1	77.6	78.2	79.3	79.6	79.6	79.6	70.6	79.9	79.9	79.9	79.9	79.9
≥ 3500	6	52.2	60.1	72.8	81.6	-2.3	83.7	84.0	84.3	84.0	34.D	54.4	84.4	84.4	84.4	84.4
≥ 3000	1.9	16.5	73.5	76.9	87.8	58.4	89.5	90.1	90.5	90.5	97.5	90.8	90.8	90.8	90.8	90.5
≥ 2500	1.4	16.7	73.8	77.2	88.4	89.1	93.5	93.8	91.2	91.Z	91.2	91.5	91.5	91.5	91.5	91.5
≥ 2000	1.7	67.	74.2	77.6	88.8	*9.5	90.8	91.5	91.8	91.8	91.8	92.2	92.2	92.2	92.2	92.2
≥ 1800	1.7	67.	74.2	77.6	38 . 8	89 . 5	911.8	91.5	91.8	91.8	91.8	92.2	92.2	72.2	92.2	92.2
≥ 1500	1.7	67.0	74.2	77.9	87.5	90.1	91.8	92.5	93.2	93.5	93.5	93.9	94.9	93.9	93.9	93.9
≥ 1700	1.7	67.3	74.2	73.2	97.1	90.8	92.9	93.9	94.6	95.2	95.2	95.6	95.6	95.6	95.6	95.6
≥ 1000	2 • 0	67.4	74.5	78.6	90.5	71.2	93.2	94.6	25.2	95.9	95.9	96.3	96.6	96.6	96.6	96.6
≥ 900	2.0	67.4	74.5	78.6	90.5	1.2	93.2	94.9	95.6	96.3	96.3	96.6	96.9	96.9	96.9	96.9
≥ 800	? • ;	67.4	7 5	78 . 6	90.5	71.2	93.5	75.2	95.9	96.9	96.9	97.3	98.0	98.0	90.0	98.3
≥ 700	2	67.4	74.5	78.6	90.5	71.2	93.5	32 • 5	95.9	96.9	96.9	97.3	98.0	98.0	98.0	98.1
≥ 400	12.7	67.4	74.5	78.6	98	91.5	93.9	95.6	96.3	97.3	97.3	97.6	95.3	98.3	98.3	98.3
≥ 500	2	67.4	74.8	73.9	91.2	91.8	94.2	95.9	96.6	96 . D	98.0	98.3	99.3	99.3	99.3	99.1
≥ 400	2.0	67.4	74.8	79.9	91.2	71.3	94.2	95.9	96.6	98.3	98.3	99.0	100.0	100.0		100.0
≥ 300	2.0	67.4	74.8	78.9	91.2	51.8	94.2	05.9	96.6	98.3	98.3	99.0	123.0	100.0	100.0	100.0
≥ 200	2.0		74.6	74.9	91.2	1.8	94.2	95.9	96.6	98.3	98.3	99.0	100.0	100.0	100 • d	100.0
≥ 100	~ 2 • 5I	67.4	74.8	78.9	91.2	71.0	94.2	95.9	96.6	98.3	98.3	99.3	100.0	100.0	100.0	100.0
> 0	2.7	67.4	74.8	78.9	91.2	C1 . 6	94.2	75.9	96.6	98.3	98.3	99.0	100.0	100.0	100.0	100.0

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NAVA, WEATHER TER THE CATACHNESS ASHEVEL FOR

### **CEILING VERSUS VISIBILITY**

1776 J. JACAN

77-52 THAN

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

\_\_15\_\_

CEILING							VISI	BILITY (ST	ATUTE MILE	<b>(\$</b> )						
.PEET	≥ 10	≥ 6	≥ s	≥ 4	≥ 1	≥ 34	≥ 2	≥ 119	≥ 1%	≥ 1	2 4	≥ %	≥ 4,	≥ 5/16	≥	≥ 0
NO CEILING	34.6	3	3 .2	31.2	3 .6	72.5	32.6	32.6	32.6	32.0	32.4	32.4	32.6	32.6	.2.6	32.6
≥ 20000	- 2 · M		41.8	43.5	45.6	45.6	45.6	4 - 6	45.6	45.6	45.6	45.6	4 . 6	45.4	45.6	45.6
≥ 18000	• •	3 - • \$	41.5	43.5	45.6	45.5	45.6	45.6	45.6	45.6	45.6	45.6	4º .6	45.6	45.6	45.6
≥ 16000	7.2		41.4	43.5	45.6	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 14000	3.3	4 Ü . 4	47.2	44.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	$\sim 1$	43.5	46.5	4 . 8	51.6	1.1.6	51.6	51.4	51.6	51.5	51.6	51.5	51.6	51.5	51.6	51.6
≥ 10000	_ '∙ <b>,</b> j	47.C	40.7	12.6	55.9	5.1	56.1	56.1	50.1	56.1	54.1	56.1	56.1	56.1	56.1	56 . I
≥ 9000	• 7	47.4	47.5	52.6	55.8	56 . 1	56.1	56.1	55.1	55.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 8000	' • ; • <del>'</del>	45.5	51.9	54.7	57.9	∋8.3	55.3	£9.3	50.3	58.3	58.3	56.3	58.3	58.3	58.3	58.3
≥ 7000	91.1	4 4 . 1	57.5	.5.1	53.5	59 . D	59.0	59.D	59.0	59.0	59.0	57.0	57.7	1 59 a J	59.0	59.0
≥ 6000	41.	50.2	54.7	56.5	6.3	F0.4	60.4	40.04	60.4	63.4	60.4	66.4	50.4	60.4	60.4	65.4
≥ 5000	14.3	53.3	57.2	6' .7	64.9	45.6	65.6	56 . C	66.3	66.3	66.3	66.3	66.3	56.3	66.3	66.3
≥ 4500		15.1	5'	€ 3.2	63.4	69.1	69.1	69.8	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 4000	47.7	57.5	62.1	66.3	73.U	73.7	73.7	75.1	75.4	75.4	75.4	75.4	74 .4	75.4	75.4	75.4
≥ 3500	7.	61.4	66.7	71.6	79.3	F0.3	30.7		82.A	92.8	82.8	82.8	82.8	82.8	82.5	82.6
> 3000	4.3	66.3	71.5	77.2	64.9	P6.0	87.0	89.1	89.0	89.8	89.8	89.8	89.5	89.6	89.5	89.5
≥ 2500	.5	68.1	73.7	79.3	87.4	48.4	89.5	91.6	92.3	92.3	92.3	92.3	97.3	92.3	92.3	92.3
≥ 2000	55.	68.1	73.7	74.3	87.7	88 . A:	90.2	92.3	93.3	93.3	93.7	93.7	93.7	93.7	93.7	93.7
≥ 1800		48.1	72.7	79.3	8 . 1	89.1	90.5	92.6	93.7		94.0	0.0	94.0	34.0	94.0	94.0
≥ 1900	4, <b>L</b> .	46.1	73.7	79.7	80.8	89.8	91.6	53.7	94.7	94.7	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1200		48.1	73.7	79.7	89.1	90.2	91.2		95.4	95.4	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1000	5.	8.1	73.7	79.7	89.1	90.5	92.3	74.7	96 . 1	96.	97.5	97.5	67.5		97.5	97.5
≥ 900	15.	58.1	73.7	79.7	80.1	\$0.5	92.3	04.7	96.1	96 . 8	97.5	97.5	97.5	97.5	97.5	97.5
≥ 800	5.	68.1	73.7	79.7	87.5	20.9	92.6	15.1		97.2	97.9	97.9	97.9		98.3	99.1
> 700	5.	48.1	73.7	79.7	89.5	71.0	92.6		96.5	97.5	98.3	98.3	98.3		98.6	98.6
≥ 700 ≥ 600	1. E.	68.1	73.7	79.7	89.5	90.9	92.6	75.1	96.5	97.5	98.3	98.3	96.3		98.6	98.6
> 900		68.1	73.7	70.7	80.4	91.2	93.0				99.3	99.3	99.3			
2 400	55.	68.1	73.7	79.7	89.8	91.2			96.8	99.0	99.7	99.7		104.0		
	55.00	68.1	73.7		89.8	91.2			96.8		99.7	99.7		100.0		
≥ 300 ≥ 300	75.0	68.1	73.7	73.7		91.2								100.0		
- :	rain in	58.1			89.8				96.8			99.7		100.0		
≥ 100 ≥ 0	۔ ذ			L		91.2							-	100.0		

TOTAL NUMBER OF OBSERVATIONS

245

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	LTUTE MILE	ES)						
PEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ ;	≥ 24	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	2 %	≥ 4	≥ 5/16	≥ •	≥ 0
MO CEILING	2.1	27.2	25.7	74.3	32.d	32.7	33.3	73.3	33.3	33.3	33.3	33.3	37.3		33.1	33.3
≥ 20000	2 • 3	73.5	35.7	15 e l	39 . 1		40.8				40.5		<u> 40.8</u>	40.4	40.8	. <b>≒</b> ∂•₫
≥ 18000	6.03	33.7	36.1	7 2 a 44	39.5	40.5	41.2	41.2	41.2	41.2	41.2	41.2	41.2	*1.3	41.2	41.2
≥ 16000	1 4 • 4	32.7			39.5	40.5		41.2	41.2			41.2			41.2	. •1.4
≥ 14000	7.	35.1	37.8	23 . I.	41.2	42.2		42.9	42.9	42.9	42.9	42.7	42.9		42.9	42.3
≥ 12000	3.03	37 . L	4 5	41.5	46.3	47.3	48.0		4 3 . 0		48.0	* d • D	<u>. ५</u> ? <u>•</u> प	48.0	44.7	46.
≥ 10000	31.1	34.1	47.9	44.6	5 . 1	1.4	52.4	52 • 4	52.4	52.4	52.4	52.4	52.9	52.4	52.4	52.4
≥ 9000	1.11.5		43.2	44.9	5 . 3	11.7	52.7	52.7	52.7	52.7	52.7	52.7	. 52 • 7	52.7	52.7	52.1
≥ 8000	7.3	40.5	44.2	45.7	51.7	53.7	54.8	54.9	54.8	54.4	54.8	54.8	54.8	54.9	54.9	54.8
≥ 7000	1 32 . 1	40.4	44.7	46.6	2.4	54.4	55.4	55.8	<u>55.8</u>				55.9	55.4	55.6	59
≥ 4000	34.7	45.4	46.7	49.3	55.1	57.1	58.2		58.5		58.5	58.5	5° • 5	58.9	58.5	58.5
≥ 5000	• 1.	إ و که	5.2	, 5 <u>4</u> • F;	61.6	64.6	65.3	66.1	66.7		66.0	66.0	66.0		_66 • C	65.9
≥ 4500	11.5	50.0	55.1	50.5	66.7	48.7.	70.4	71 - 1:	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4000	1 -1 - 5	2 • 4	54.2	52.6	71.1	74.2	76.2	76.9	77.2	77,2	77.2	77.2	77.2	77.2	<u>77.2</u>	77.2
≥ 3500	3.5	£4 . 5	60.9	65.3	74.2	77.2	79.9	80.6	81.0	81.0	81.0	81.0	81.3	81.3	81.3	61.3
≥ 3000	1 4 . 6	- ે 5 • હ	61.9	46.3	76.5	79.9	83.0	54.7	85.4	85.4	85.7	85.7	86.1	<u> 66.1</u>	86.1	86.1
≥ 2500	44 . A	57.8	64.3	60.4	71.9	52.3	85.4	Я <b>7.4</b>	88.4	.8.8	89.1	49.1	89.5	89.5	89.5	89.5
≥ 2000	40.6	57.8	64.	68.4	79.6	"3.3	86.7	89.1	90.1	90.5	90.5	90.8	91.2	91.2	91.2	91.2
≥ 1900	45.65	57.8	64.	68.4	7 ~ 9	63.7	87.1	89.5	90.5	90.8	91.2	91.2	91.5	91.5	91.5	91.5
≥ 1500	400 (	58.2	64.3	62.7	8 . 6	14.7	6.83	41.2	92.5	93.2	93.9	93.9	94.2	94.2	94.2	94.2
≥ 1700	46.	56.2	64.3	60.7	81.0	85.0	89.8	92.9	94.2	95.2	95.9	96.6	96.9	96.9	96.3	96.9
≥ 1000	46.	8.2	64.3	65.7	81.3	25.4	90.1	03.2		95.6	96.3	96.9	97.3	97.3	97.3	97.3
≥ 900	46.	58.2	64.3	53.7	81.3	35.4	90.1	73.2	94.5	95.9	96.6	97.3	97.6	97.6	97.6	97.4
≥ 900	46.	58.2	64.3	64.7	81.3	25.4	90.1	73.5	94.7	96.3	96.9	97.6	78 .D		98.0	
≥ 700	44.01	58.2	64.3	68.7	31.3	15.4	9 1	-		36.6		98.3	• -		78.6	98.0
≥ 600	46.	. 8 . Z	64.3	64.7	81.3	P5.4	95.1		95.2	96.9		98.6	99.0	99.0	99.0	99.0
≥ 500	46.0	58.2	64.3	60.7	A1.5	85.4	90.1	73.9	95.7	96.9	99.0	98.6	99.0	99.	99.0	99.0
≥ 400	46.2	58.5	64.6	69.1	61.6	35.7	90.5	94.2	95.6	97.3	98.6	99.3	99.7	99.7	99.7	99.7
≥ 300	46.	58.5	64.6	69.1	81.6	95.7	9C.5	94.6	95.9	97.6	99.7	99.7	100.0	100.3	120.0	100.0
≥ 200	46.3	56.5	64.6	69.1	61.6	A5.7	90.5	64.6	95.9	97.6	99.7	99.7	100.0	100.q	100.0	100.d
≥ 100	46.4	35.5	64.6	69.1	81.6	75.7	97.5	04.6	95.9	97.6	99.3	99.7	150.0	100.0	100.0	100.Q
2 0	46.7	58.5	64.4	69.1	81.6	25.7	90.5	94.6	95.9	97.6	89.7	99.7	1 30.0	100.0	100.0	100.d

OTAL NUMBER OF OBSERVATIONS 29

DIRNAVOCEANMET SMOS

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 = 10 miles

21

CEILING							VISI	BILITY (STA	ATUTE MIL	E\$)						
: PEET	≥ 10	≥ 6	≥ 5	<b>2</b> 4	≥ 3	≥ 2%	≥ 2	≥ 119	≥ 1%	≥1	≥ .	≥ 4	≥ %	≥ 5/14	≥ 4	≥ 0
NO CEILING	. 3	31.0	37.7	33.1	35.7	75.7	35.7	n.4	36.0	36.1	36.8	36.8	35.8	36 . A	36.8	37.2
≥ 20000	•	76.4	37. 0	73.3	41.7	41.7	41.3	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.5
≥ 18000	··· • †	7 4	37.	72.3	41.3	41.5	41.3	42.0	42.4	42.4	47.4	42.4	4 4	42.4	42.4	42.
≥ 14000	•	26.4	37.4	. 4 . 3	41.4	41.3	41.3	42.0	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.5
≥ 14000	1.3	16.1	3 - 3	38.7	41.4	41.6	41.	42.4	42.6	42.8	42.3	42.5	42.5	42.8	42.6	43.
≥ 12000	٠ ٤ ٠	79.3	41.3	41.6	45. 1	45.0	45.0	45.7	46.1	46.1	46.1	46.1	45.1	46.1	46.1	46.5
-: ≥ 10000	. 4	43.5	42.7	49.1	52.3	52.8	53.2	£3.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.
≥ 9000	4.5	40.0	50.2	6	54.3	4.3	54.7	55.4	55.0	55 . 8	55.8	55.5	55.8	55.8	55.8	56.1
≥ 9000	3.	E1. 8	53.5	55.1.	59.1	49.5	57.9	6:06	61.7	61.0	61.0	61.0	61.0	£1.0	61.0	61.3
≥ 7000 ≥ 7000	41.3	52.8	55.3	50.5	61.0	41.3	62.1	62 . 6	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.6
≥ 6000	4 4	63.2	55.4	50.9	61.3	F1.7	62.5		53.6		63.6	63.6	63.6	63.6	63.6	63.9
≥ 5000	4 - 7	57.6	59.0	61.7	54.2	66.5	67.3	69.0	69.4	63.4	69.4	69.4	68.4	68.4	68.4	68.8
≥ 4500		37	61.7	63.2	6A.9	69.1	69.9	71.4	71.8	71.8	71.8	71.8	71.8	71.8	71.8	72.1
2 4000 2 4000	3.5	63.9	66.5	69.5	75.1	75 . 5	76.2	77.7	78.1	7 . 1	7F . 1:	78.1	78.1	78.1	78.1	78.4
2 3500	5.4	66.2	69.5	72.1	78 . A	79.2			31.9	81.8	31.8	81.3	81.8	91.8	81.8	82.2
> 3000	7.5	68.8	77.5	75.3	83.6	24	84.8	86.6	87.0	87.0	87.0	87.3	87.0	37.0	87.D	87.4
2 2500	. 6	68.8	72.5	75.8	54.4	35.1	86.3	38.1	88.5		88.5	88.5	83.5	38.5	88.5	96.9
≥ 2000	7.6	58.8	77.9	76.2	85.1	36.3	87.4	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.0
≥ 1800	7.6	58.8	72.9	76.2	85.1	6.3	87.4	F9.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.5
≥ 1800 ≥ 1900		59.5	73.5	77.0	87.7	69.2	90.3	93.3	94.4	94.8	94.8	94.8	94 . R	94 . A.	94.3	95.2
		17.5	73.4	77.0	88.1	70.0	91.1	74.1		95.9		96.3	96.3	96.3	96.3	
≥ 1700 > 1000		59.5	73.5	77.	88.5	50.3	91.5	94 . 8	95.0			97.0	97.0	97.0	97.0	
> 900	3	69.5	73.6	77.3	88.5	75.3	91.8	94 9		96.7					97.0	-
2 800		69.5	73.6	77.0	88.9	91.1	92.6	25.5	96.7	97.4	97.8	98.1	98.1	98.1	98.1	98.5
	, n	69.5	73.6	77.5		91.1	92.6					98.5			98.5	98.9
> 100	, .	69.5		77.0	- 1	91.1	92.6		97.4			98.9	98.9	98.9	98.9	99.
	E. 4	67.5					92.6			98.1		98.9	98.9	- 1 1	98.9	99
≥ 500 > 400		69.5	74.0		E9.2					78.9		99.6	99.6	99.6	,	100.0
- 1		69.5		77.3		91.5				98.9			99.4	99.6	99.6	
≥ 100 ≥ 100		,		77.3			1			98.9		,	99.6		99.6	
·	5	69.3			80.2					98.0						100.0
2 100 <u>5</u>	- •						92.9		- 1	- (			1	99.6		100.0

TOTAL NUMBER OF OBSERVATIONS

259

DIRNAVOCEANMET SMOS

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

M:=1.:

K. WEATHER ROSSEES TRACKSTATE ASHESING A ME

ALL

VISIBILITY (STATUTE MILES) CEILING ≥ 10 ≥ 5/14 ≥ 1 NO CELLING > 20000 34 - 7. <u>57 - 5. 39 - 2. 42 - 4. 42 - 4. 43 - 2. 43 - 4. 43 - </u> > 18000 > 16000 ≥ 14000 ≥ 12000 30-6, 26-1, 41-3, 42-5, 47-4, 47-9, 48-2, 48-5, 48-5, 48-5, 48-5, 48-6, 48-6, 48-6, 48-6, 48-6, 48-7, 48-7, 48-8, 48-6, 48-6, 48-6, 48-6, 48-7, 48-7, 48-8, 48-8, 48-8, 48-8, 48-7, 48-8, ≥ 10000 ≥ 9000 ≥ 8000 ≥ 4000 ≥ 5000 ≥ 4500 ≥ 4000 ≥ 2500 63.8 67.8 74.5 85.2 87.1 88.9 70.4 90.9 91.0 91.1 91.1 91.7 ... 91.2 91.3 83.8 69.8 74.5 85.3 87.2 89.0 90.5 91.0 91.1 91.2 91.2 91.3 91.3 91.3 91.4 4.2 91.2 91.3 ≥ 1900 ≥ 1500 1.1 44. 70.3 74.7 86.3 98.4 90.4 92.1 92.8 93.1 93.8 93.4 93.4 93.4 93.4 93.5 1.1 64. 7 . 7 74.8 86.8 89.0 91.5 93.8 94.5 95.1 95.4 95.5 95.6 95.6 95.6 95.7 1.1 64. 7.1 74.9 87.3 89.6 92.2 94.8 95.7 96.3 96.6 96.8 96.9 96.9 96.9 97.0 1.1 64.3 70.1 75.9 87.3 89.7 92.3 94.9 95.8 96.5 96.8 96.9 97.1 97.1 97.1 97.2 1.2 64.1 70.2 75.0 87.7 90.2 92.5 95.6 96.6 97.4 97.7 98.0 94.2 98.3 98.3 98.4 1.7 54.1 70.2 75.0 87.7 90.2 92.9 95.8 96.7 97.6 98.0 98.2 98.4 98.5 98.5 98.6 1.2 44.1 70.2 75.0 67.7 90.3 93.0 95.9 96.9 97.9 98.2 98.5 98.7 98.8 98.8 98.8 1.2 (4.1) 70.2 75.0 87.7 90.4 93.0 95.9 96.9 97.1 98.3 98.7 99.0 99.2 99.3 99.3 99.4 1.2 (4.1) 70.2 75.1 37.8 90.4 93.1 96.1 97.1 98.3 98.7 99.0 99.2 99.3 99.3 99.3 99.4 1.2 64.1 7.3 75.2 88.0 90.6 93.3 96.3 97.2 98.6 99.0 99.4 99.6 99.7 99.8 99.9 100.0 1.2 64.1 7.3 75.2 88.0 90.6 93.3 96.3 97.3 98.7 99.1 99.5 99.8 99.9 99.9 100.0 1.2 64.1 7.3 75.2 88.0 90.6 93.3 96.3 97.3 98.7 99.1 99.5 99.8 99.9 99.9 100.0 1.2 64.1 7.3 75.2 88.0 90.6 93.3 96.3 97.3 98.7 99.1 99.5 99.8 99.9 99.9 100.0 1.2 64.1 7.3 75.2 88.0 90.6 93.3 96.3 97.3 98.7 99.1 99.5 99.8 99.9 99.9 100.0 64.1 70.3 75.2 88.7 90.6 93.3 96.3 97.3 98.7 99.1 99.5 99.8 99.9 99.9100

TOTAL NUMBER OF OBSERVATIONS

DIRNAVUCEANMET

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ments CO Houses Car

CEILING							VIS	BILITY (ST.	ATUTE MILI	ES)						
7667	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 2'5	≥ 2	≥ 11g	≥ 1%	≥ 1	≥ .	≥ %	≥ %	≥ 5:16	≥ .	≥ 0
NO CEILING ≥ 20000		. 7	31.	35.6	33.1	·3.4	37.3	,	35.2	35.2	31.2	35.2		35.2 40.9	35.7 40.9	35.2
≥ 18000 ≥ 18000		34.5	36.6		35.7	73.4		4 . 9	4	40.7	40.9					
≥ 14000 ≥ 12000	٠.٠	74 . 5 3 b . 6	3 6	23.6	38.7	39.4	39.4	40.0	40.3	43.3	47.9		47.0		47.9	47,9
≥ 10000 ≥ 9000	1.	-3. -3.	47.2	45.8	47.9	45 . 5.	4 3 . 6	50.0	: 7.0	50.0	50.3			50.C	50.0	50.0
≥ 8000 > 7000	ج د			7.1	54.2	54 . 9	54.7	56.3	56.3	56.3 58.5	56.3		53.3	56.3 58.5	56.3	56.3
≥ 6000 > 5000	.5		54.2	54 2	56.3	₹ <b>7.</b> 1	57.0	58.5	50.5	53.5	58.5	58.5			· · · · ,	56.5
≥ 4500	4	57.	62.		64.8		60.2	€7.6	67.6	67.6	67.6			67.5	67.6	67.6
≥ 4000 ≥ 3500	1	6.2	71.1	71.3	76.8	77.5	78.2	79.6	79.6		70.6	79.e	70.6	79.6	79.5	
≥ 3000 ≥ 1500		59.7	74.7	74.7		×3.1	83.8	85.2	35.2	23.1	35.2	85.2			85.2	
≥ 2000 ≥ 1800	.6.		74.7	76.1. 76.1	82.4		83.8	A5.2	35.2		55.2	85.2	45.2	85.2	85.2	85.2
≥ 1900 ≥ 1700	67.6			77.5	86.6		90.1	1.6	92.3		92.3	72.3	92.3	92.3		92.
≥ 1000 ≥ 900	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	71.1			-	91.5		97.9	99.6	-	93.6	98.6	98.6	98.6		
≥ 800 ≥ 700	5 . 3	$\begin{array}{c} 71 \cdot 1 \\ 71 \cdot 1 \end{array}$		79.6	91.6	72.3								99.3 100.7		
≥ 600 ≥ 500	61.7		75.8 75.8	79.6										100.01 100.01		
≥ 400				79.6												
≥ 200 ≥ 100	<u>.</u>	71.1	76.8	79.6	91.6	42.3	96.5	98.6	99.3	99.3	100.00	00.0	120.0	100.0	100.0	100.0
2 0	31.			79.6												

TOTAL NUMBER OF DESERVATIONS

142

DIRNAVOCEANMET SMOS

11

CASA MEATOR OF CONTRACTOR WITH CONTRACTOR

7.7-90 statem nest

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	210	≥ 6	≥ 5	2 4	≥ 3	≥ 2%	≥ 2	≥ 119	≥ 1%	≥1	≥ •	≥ %	≥ 43	≥ 5/16	≥ '.	≥ 0
O CEILING	5	27.2	27.8	` P . E	24.0	9.2	20.0	35.5	30.5	30.5	31.1	31.1.	31.1	31.1	31.1	31.
≥ 20000		37.1.	37.1.	37.8.	32.1	19.1.	39.7.	42.4	45.4	93.4	41.1	41.1.	91.1	41.1.	41.1	41.
≥ 18000	· 🔻 🐞	77.1	37.1	37.8	33.1	39.1	3~.7	44	43.4	41.4	41.1	41.1	41.1	41.1	41.1	ul.
≥ 16000	3	21.1.	.1ء?۔	37.8.	39 . 1,		32.7.		4	4	Hal.	Alai,	41.1	41a1.	41.1	. 41 m.
≥ 14000	• 1	38.4	3 . 4	7.	4 . 4	47.4	41.1	41.7	41.7	41.7	42.4	42.4	47.4	42.4	42.4	42.
≥ 12000		42 • 4.	43.4	43 e.k.	44.4.	44.4	45.	<u>45.7.</u>	45.7	45.27	46.4.	46.4.	46.4	46.4	46.4	. 46.
≥ 10000 ≥ 1000	3.1	47.7	42.3	47.0	50.3	: 0 • 3· - 11 • 3·	51.7	. 2 - 0	23.	5300	53.6	53.6	53.6	73.6	55.6	53.
- I	4 7 • 7	13.1		5.0			24.5		58.0	55.6. 56.9	26.3	3007	53.47	. 20e2.	20.5	. <u>5</u> 6,
≥ 8000 ≥ 7000				2 + D	56.3	ິ6∙3 ິ6∙3≀	57.6	58.9			50.6	50.6	57.6	41 4	41 6	59.
> 4000	1.	5.6	57.	57.6	56.9	8.9	67.3	(1.6	QQ±9.	61.6	62.3	21e0.	- <u> </u>	. <u>9112</u> 6.54	62.3	62.
> 5000	3.			6 3		-1.6	62.9	(4.7	• •	64	64.9	64.7	64.9	54.5	64.9	64.
> 4500		•	•	£ 5 . 6	66.9	56.9	69.2	49.5			7 . 2	70.2	70.2	70.2	70.2	
≥ 4000	6.	72.2	74.2	74.8	77.5	77.5	74.8	9 . 1	3 '-1	9 1	11.0	80.8	9 - 6	9.00€	80.8	50.
≥ 3500	. F.	72.9	74.9	75.5	79.5	79.5	8' . 8	F2.1	82.1°	92.1	82.8°	82.8	92.8	82.8	87.8	A 2 .
≥ 3000 ×	• ?	7: • 5	77.5	70.5	84.8	25.4	36 . F.	3A.7	88.7	95.7	89.4	39.4	á°.4	89.4	89.4	99.
≥ 2500	. 2	6.1	79.4	ાં € 8ે	86.8	17.4	88.7	<b>∀0.7</b>	97.7	90.7	91.4	91.4	91.4	91.4	91.4	91.
≥ 2000	· • ^.		70.5	₹ <b>1.5</b>	37.4	**•1.	89.4	31.4	71.4	91.4	72.1	92.1.	1. 2 د	72 <u>.</u> 1.		92.
≥ 1800	•		79.5	•	97.4	8.1	89.4	91.4		91.4	92.1	92.1	92.1			
≥ 1500	• .			<u> </u>	$68 \cdot \frac{1}{1}$	29.4	91.4	93.4.	93.4	93.4	94 .C.	94.3	44.0	94.0		•
≥ 1200 > 1000			79.5		98.1	95 • 1	92.1			94.7			75.4		95.4	
	•	77.		92.8. 83.4	90.7	72.7	94.7	97.4		97.4	98.	98.		98.6		
≥ 900 ≥ 800	.1 -	78.2	7 / 6	97.4	91.4	7	75 A	98.5		• .	98.7	98.7		98.7		
	1.5	79.2	a •61		01 4		95			98.7	· · · · ·		• •		,	
≥ 700 > e00	1.5	78.2	8 .8	- 3 - 4	91.4	- 3 . A!	95.4	08.J		9 . 7	99.3		•	99.3		-
≥ 500	1.5	78	g s	4 1 4	21.4	73.4	95	96.7		99 1				7		
≥ 400 ≥ 400	1.5	78.2	A . 5	R 3 . 4	71.4	3.4	95.4	93.7		99.33						
≥ 300	1.5	78.2	80.8		91.4	3.	95.4			99.5		_				
> 300		78.2		23.4		73.4	95.4	9.7	98.7	99.3	rr.01	30.0	Lan.o	100.0	100.0	100.
≥ 100	1.4	71.2	80.E	A3.4	01.4	-3.4	95.4			99.3						
2 0			60.91							99.5						

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

~ 1.

CERING							VIS	IBILITY (ST	ATUTE MIL	ES)						
PEET	≥ 10	≥ 6	≥ s	≥ 4	<u>≥</u> j	≥ 2 5	≥ 2	ייו ≤ַ	≥ 11.	2 1	2 %	≥ %	≥ 'a	≥ 5 16	≥ .	<b>≥</b> 0
NO CEILING ≥ 20000	1 .	15.	2	26.4	20.6	37.2	24.3	74.3		34.0	37.0		20.0		33.1	75.4 77.1
≥ 18000 ≥ 16000		1.1	24.3	20•€	20.0	1 3	31.7	31.7	33.1	3 . 1	33.1	33.1	33.1	3.5	33.5	33.5 33.5
≥ 14000 ≥ 12000	1	72.0	20.4	1.3	71.	11.7		77. a		34.5	34.5		34.5	34.6	34.9	34.9
≥ 10000 ≥ 9000		77.	31.3	34.5	3.4	40.1 40.1		41.9	44.7	44.7	44.7	44.7	44.7	45.1 45.1	45.1	45.1
≥ 8000 ≥ 7000		79.3 74.4	<u>कर्</u> 34•?	31.7	43.6	44.0		45.9	43.7	89.0 50.0		46.9	ີຊະຸງ ເຊີຍຸງ	49.3	49.3 50.4	. 49. ₹ 50.4
≥ 6000 ≥ 5000		71.3		" ŦĠ.Ŗ" 44.4	45.3 50.7	46.5	53.6	53.5	51.1 56.0	57.0	57.1°	57.0	132.1 57.0	57.4	52.5 57.4	52.5 57.4
≥ 4500 ≥ 4000	3.5	42.4	4 .0		54.4		53.1 67.3	58.7		61.6 72.2			51.6	72.5		
≥ 1500 ≥ 3000	: • r	-		56.7							• -			77.5° 23.1		77.5 P3.1
≥ 2500 ≥ 2000	1.2	. •	55.3 55.6	63.2°	72.5			80.3°				84.2			85.9	95.9
≥ 1800 ≥ 1800	1.7	4 • £	5	6 .6 60.9			79.6 81.7	91.7	-	85.6					85.9 90.1	
≥ 1200 ≥ 1000	1.6 -1.	4 + • ¢	່ 5≀ • ′ີ 5 ເ • 3	61.3	78.4 70.5	-	82.8	95.9°	-	91.6				92.6		92.6
≥ 900 ≥ 800	1.	. •	54.3 54.1	01.6	76.8 76.8	ાઉ.6, ા1.€		95.1						94.7 95.1		94.7 9.1
≥ 700 ≥ 400	- 1 • - 1 •	્યક <b>ું</b> છે. ઘદ • કે	5 · • 3	61.6 (1.5	77.8	32.6° 	87.0	10.1 20.5	93.7	96.0	96.5	97.5	95.2	` 97.9` _ 98.6	98.6	98.6
≥ 500 ≥ 400	41.	46.5	56.3 56.3	1.6	78.5	2.8	87.3	97.9	94.5	91.2	97.5	98.2	90.3	99.3	79.7	99.7
≥ 300 ≥ 300	11.	44.9	5 . 3	61.6	78.5	32.6	87.3	5 ) <b>. 9</b>	94.	97.2	97.5	98.2	99.	99.7	99.7	100.0
≥ 100 ≥ 0	1.			61.6	-				_				-	99.7	-	

TOTAL NUMBER OF OBSERVATIONS 2-4

DIRNAVOCEANMET SMOS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

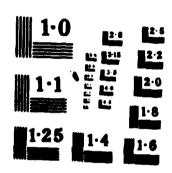
CPUNG							VISI	BILITY ST.	ATUTE MIL	ESI						
*46"	≥ 10	<b>?</b> 6	≥ 5	≥ 4	5.1	≥ 213	≥ 1	<u>≥</u> 115	≥ 11.	≥ r	≥ 4	2 %	≥ %	≥ 5 16	≥ .	≥ 0
NO CEILING	•	3 . 4	2 .,	· 6	7,7	0.		~ .5	•	2.0	32.5	7 5	3-6	25.5	24.5	
≥ 20000	4.	1.	3		4	63.3	41 - 3	~ A • Z.	5 1 . Z.	41.C	41.2	41.2.	41,2	41.5	41.6	41.4
≥ 18000		1.	٠٠ د د	· •	41.9	47.0	4'' • "	41.7	41.2	41.2	-1.2	-1.2	41.2	41.0	41.6	41.5
≥ 16000	• .	1.	3		4 1. 4	46.4	40.	41.2	41.0	41.5	41.2	41.3	41,2	41.0	41.5	41.5
≥ 14000		l • -	10.5	3 : 1	4 1 . 3	42.	42.5	4 7	4 7	42.7	4.7	42.7	4.7.7	43.1	<b>→3.1</b>	43.1
≥ 17000	•		3 • 4.		44.	44.	44.5		48.7	. 44.	44	44.3	44.9	45.3	45.3	4
≥ 10000	• ′	_ * *	3	- [5 • I	47.1	47.5	4 . 8	20.2		4 • 2	45.2	49.2	47.42	uR.	44.5	
≥ 9000	• 1	34 • 7	· · ·	<u></u>	4 • 4			4		. 4.7 • 3	* - 3	43.7	4 1 . 3		49.6	47.0
≥ 8000 ≥ 7000	•		2	91 • A	57.4	-1.1	51.0	7.0.2	* 2 • 7	12.0		52.0	24.5	~2.6	52.6	- 12.6
-	• .	• •			51.1 52.6	1 . 4	- 54 ° 5,		54.6	54.4	- <u>5</u> 4.4	54.4	4 4	54.7	73.3	
≥ 6000 ≥ 5000	•.	4	1.	40.4	54.5	7.3	52.4	59.1	59.1		54.4	5 1	57.1	57.5	54.7	54.7 - 65.5
-			. y		52.0	3.	45.	··	65.7		(3.7		, 5 7	41	66 a 1	66.1
≥ 4500 ≥ 4000	•		5 2	14.7		- 3 • 3 - * 0 • 6				71.9			71.9	72.3	72.3	
- 1					64		77.7	- : •		75.6	•	•	75.6	•		75.5
≥ 3500 ≥ 3000	, .	3.7			74.1					82.1	-			52		87.5
≥ 7500	1		6 . 2.	- •	76.3		27.1	3.4		94.3		34.3	34.3	64.7	84.7	
2000	,				77					55.0		95.0	25.0	15.4	85.4	95.4
≥ 180c			61.		77.4	10.4			•	25 8		65.3	15.8	56.1	86.1	10.1
≥ 150C				15.3	j ,	2.5	26.1		-	87.6		37.8	80.6	20.3	70.2	10.0
> 1200			57.4	5.5		2.		. 7		31.5	41.2	91.2	+1.2	41.6	-1.6	91.5
> '000	~ <sup>3</sup> •	. 6	€2.4	15.7	0.13	3.7	98.7	,	33.3	c3.4	37.4	3.4	23.4	73.9	93.6	93.4
≥ 900	40.0		52.4	5.7	31.€	3.0°	98.3	~1.7'	42.7	93.6	97.4	93.3	93.9	64.5	94.2	94.2
≥ 800	40.	5.504	6 . 5	4 - 1	5.7 • 1	-5 • ે,	93.2	7.4	15.0	90.7	96.7	46.7	90.7	97.1	97.1	77.1
≥ 700	42.0	1 to 2	62.00	16.1	87.6	36 · 1	90.	∩4 • 2	95.0	27.5	97.5	9.5	97.5	\$7.b	97.8	97.8
≥ 400	42.0	5400	62.8	16.1	F2.9	6.	41.6	14.9	94.7	73.2	98.2	93.2	73.5	58.9	98.9	9 € • 9
≥ 500	42.	56.0	67.6	16.1	85.0	7	97.3°	-5.6		20.9				9.6		
۵ ۵۵۵	197 • J	1004	62.4	16.1	83.2	7.6	92.7	56 ec.		99.3				•		
≥ 300	42.			0 > 1,	1	7.6			- 1	99.3	-					
≥ 200	+2 •	56.7		15.1	83.7		1	1		99.5						
≥ 100		56.2				-			-	99.3			-			
≥ 0	4.	5102	67.5	56.1	33.2	7.0	97.7	ა6 • ე	47.8	99.3	49.3	30.3	33.6	1 10 • Ա	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

274

CHEMA VIOCE ANM ET - 15M 3%

AD A151	677	FOR	ATSU	OF METE	OROLOG N(U) N	ICAL DI	BSERVAT CEANOGR P 85	10NS APHY	SURFACE	(SMOS)	3	4	
UNCL <u>ASS</u>	FIED		ACHME!	II ASHE	AILLE	IIC MAI	. 03		F/0	4/2	NL		
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MANAZ WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

### **CEILING VERSUS VISIBILITY**

73-82

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING 1 ≥ 1% 2 1% ≥ ¥ ≥ % ≥ 5/16 ≥ 4 26.7 27.4 27.4 27.8 NO CEILING ≥ 20000 41.6 41.6 42.4 42.0 42.4 42.4 42.4 42.4 42.4 42.4 42.4 37.5 4. .6 41.6 17. 37.5 4 .6 41.6 ≥ 16000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 4000 4500 4. . . 54 . 1 53 . 7 62 . 3 66 . 6 66 . 9 67 . 3 68 . 0 68 3300 ≥ 2500 1800 51.6 67.3 73.3 77.9 84.7 85.1 89.0 90.8 91.1 91.5 91.8 91.8 91.8 91.8 91.8 1200 800 5 . 6 67 . 3 73 . 3 79 . 0 86 . 8 87 . 9 92 . 5 95 . 4 96 . 4 96 . 8 97 . 5 97 . 9 97 56.6 67.3 73.3 79.0 86.8 68.3 93.2 96.4 97.5 98.2 98.9 99.3h00.0h00.0h00.0h00.0

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE INC.

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

N 5 115 1 . JA 31 73+82 Trans

CEILING					<u>-</u>		VISI	BILITY (ST	ATUTE MILI	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	12.	24.1	24.7	25.8	25.8	25.8	25.8	25.8	25.8	25.8	25.9	25.8		25.8	25.8	25.8
≥ 20000	34.1	- <del>*</del> • •	30.3		41.9	42.3	42.3	42.3	42.3	42.3	42.3	42.3	47.3	<u> •2 • 3</u>	<u> •2•3</u>	42.3
≥ 18000 ≥ 14000	34.1	3.5 • 4		41.2	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
	34.1				41.3	42.3	42.3	42.3	42.3	42.3	42.3	92.3		42.3	42.3	
≥ 14000	34.4	36 • 1		42.3	47. Q	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 12000	37.5	<del></del>	44.1		47.7	47.3	47.3	47.3		47.3	47.3	47.3	47.3	47.3	47.3	-17-3
≥ 10000	372		1	49.8	L	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 9000	3/03		47.3		5:.9		51.3	51.3	51.3		51.3	51.3	<u> -1.3</u>	51.3	51.3	
≥ 9000			47.5		,	54 - 1	54.1	54 - 1			54.1				54.1	54.1
≥ 7000	·	47.7				54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1		54.1
≥ 6000	41.7			52.3	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5		2 - 11	54.5	54.5
≥ 5000	44.	51.3	57.4	55.9	58.4	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.6	58.8
≥ 4500	40.3		54.8	57.7	50.9	61.3	61.3	61.3	61.3	61.3	61.3	61.3			61.3	61.3
≥ 4000	4	56.3	58.P	62.0	66.3	66.7	67.0	67.4	67.4	67.4	67.4	67.4			67.4	67.4
≥ 3500	2 • 7:		62.4	66.0	72.0	72 - 4	73.1	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.6	73.8
≥ 3000	55.	63.8	65.7	71.0	79.	79.2	79.9	80.7	87.7			80.7		80.7	80.7	80.7
≥ 2500	[ · 3	,		74.6	82.8	84.2	85.0	25.7	85.7	85.7	85.7	85.7		85.7	85.7	85.7
≥ 2000		68.5	71.7	76.0		36.0	86.7	87.5	87.5		87.5	87.5	87.5		87.5	87.5
≥ 1800	2.3	58.8		76.3		86.4	87.1	87.8	87.8		87.8		87.8	- 1	87.8	87.8
≥ 1500	<u> 0 • 6</u>	49.2			86.7		90.0			92.1		92.1		92.1	92.1	92.1
≥ 1200	65.5		73.1	1	37.1		90.3	91.4	91.4		92.5				92.5	92.5
≥ 1000	1 . 5	69.9		78.5					92.8	94.6	94.6	95.0			95.0	95.0
≥ 900	-1 • 3		73.5	78.5			91.4	93.2	93.2	95.3	95.3	95.7	- 1		95.7	95.7
≥ 800	61.5		73.5	74.9		90.3		93.9	94.3	96.4	96.4	96.8	96.8		96.8	96.8
≥ 700	.1.3		73.5	76.9	87.8	90.3	92.1	93.9	94.3	96.4	96.4	96.8	96.8	76 . 8	96.8	76.8
≥ 400	1.3			78.9	87.8	93.7	92.5	94.3	94.6	97.1				97.9	97.9	97.9
≥ 500	ر 1 • 3 اد			78.9	88.5	91.4	93.2	95.0	95.3	97.9		98.6	98.6	1	98.6	78.6
≥ 400	61.3		73.5	78.9			93.9	96.1	96.4	98.9	98.9	99.6				99.6
≥ 300	1.3	59.9	73.5	73.9	88.9	91.8	93.9	96.4	96.8	99.3				100.0		
≥ 200	1.3		73.5		38.9			96.4						100.0		
≥ 100		69.9		78.9	- 1	1	93.9		1					100.0		
≥ 0	21.3	64.9	73.5	78.9	88.9	91.8	93.9	96.4	96.8	99.3	99.3	100.Q	100.0	100.Q	100.Q	100.0

TOTAL NUMBER OF DESERVATIONS 279

NAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO.

## **CEILING VERSUS VISIBILITY**

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	٤ ٧	≥ 0
NO CEILING	23.1	26.9	27.7	28.6	20.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7	29.7
≥ 30000	23.	39.1	40.3	41.7	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 18000	33.	39.	4 3	41.7	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1	43.1
≥ 14000	33.	39.4	4 : - 3	41.7	42.8	42.8	42.8	43.1	43.1	43.1	43.1	43.1	47.1	43.1	43.1	43.1
≥ 14000	3 - 5	40.0	41.7	43.5	44.5	44.5	44.5	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.5	44.8
≥ 12000	7 • 6	43.5	45.5	47.6	49.3	49.3	49.3	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 10000	• 3	47.6	40.7	51.7	53.5	53.5	53.5	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	4 7	48.3	5:03	52.4	54.1	54.1	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 8000	41.7	49.7	51.7	54.1	56.6	56.9	56.9	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ 7000	42.	56.7	52.8	55.2	57.6	57.9	57.9	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
≥ 4000	3.1	51.4	53.5	55.9	58.3	58.6	58.6	59.7	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 5000	4.5	53.1	55.5	57.9	50.3	6D.7	61.0	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 4500	46.5	55.9	59.0	62.1	65.5	65.9	66.2	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
≥ 4000	. 3	53.3	61.4	54.8	70.3	71.0	72.1	72.4	72.4	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 3500	4 . 3	× 9 .	62.4	65.9	71.7	72.4	73.8	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 3000 ≥	2.1	62.8	66.6	70.0	77.2	75.6	80.7	81.4	81.4	81.7	82.1	82.1	32.1	P2.1	82.1	82.1
≥ 2500	5.3	65.2	60.3	72.8	87.3	52.1	84.5	85.2	85.2	85.5	85.9	85.9	₹5.9	85.9	85.9	85.9
≥ 2000	4.5	65.9	7 3	73.5	81.0	£3.1	85.5	86.2	86.6	86.9	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1800	54	66.2	7 .3	73.8	81.4	83.5	86.2	86.9	87.2	87.6	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	5.5	66.9	71.0	74.8	83.1	85.2	88.3	89.3	89.7	90.3	90.7	93.7	90.7	90.7	90.7	90.7
≥ 1200	5.5	66.9	71.0	74.8	83.1	15.5	89.0	90.7	91.0	91.7	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1000	5 . 5	66.9	71.0	74.8	83.8	P6.2	89.7	92.4	93.5	94.5	94.8	94.8	94.8	94.8	94.8	94.8
≥ 900	5.5	66.9	71.0	74.8	84.1	16.6	90.0	92.8	93.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5
≥ 800	.5.5	67.2	71.4	75.2	85.2	37.6	91.0	93.8	95.2	96.2	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	5.0	67.2	71.4	75.2	85.2	P7.6	91.0	94.1	95.5	96.6	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	5 . 5	67.2	71.4	75.2	85.2	87.6	91.0	94.1	95.5	96.6	97.2	97.2	97.2	97.2	97.2	97.2
≥ 500	5.5	67.2	71.4	75.2	85.2	87.9	91.4	94.8	96.2	97.6	98.3	98.3	98.3	98.6	98.6	98.6
≥ 400	5 . 5	67.2	71.4	75.2	85.2	37.9	91.4	04.8	96.2	97.6	98.6	98.6	98.6	99.0	99.0	
≥ 300	5.5	67.2	71.4	75.2	85.2	R8.3	71.7	95.2	96.6	97.9	99.0	99.0	99.0	99.3	99.3	99.3
≥ 200	5	67.2	71.4	75.2	55.2	P8.3	92.1	95.5	,	98.3	99.3	99.3	99.3	99.7	99.7	99.7
≥ 100	5.5	67.2	71.4	75.2	85.2	88.3	92.1	95.5	96.9	98.3	99.3			99.7		
2 0	5.5	67.2	71.4	75.2	85.2	P8.3	92.1	95.5		98.3		99.3	99.3	99.7	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 290

NAVAL WEATHER SERVICE OF TACHMENT ASHEVILLE NO

## **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17-82 Table

21

CEILING							VISI	SHITY (ST	ATUTE MIL	ES)						
(FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	2 %	2 %	2 %	≥ 5/16	≥ '•	20
NO CEILING ≥ 20000	11.	73.5 37.1	29.4	29.6 38.5	30.7	39.6	31 - 1 40 - D	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1	31.1
≥ 18000	1.	37.1	3 2	34.5	37.6	39.6	40.0	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 14000 ≥ 14000	1.1	37. B	34.2	38.5 79.3	39.4	40.4		41.1	47.0	40.4	40.4	40.4	41.1	41.1	40.4	41.1
≥ 12000 ≥ 10000	31.1	40.7	41.9 47.0	42.2	43.3	43.3		44.1 51.0	44.1 50.0	44.1 50.0	44.1 50.0	44.1 50.0	44.1 50.0	44.1 50.0	50.0	50.0
≥ 9000	36.7	46.3	47.4	48.5	47.6	49.6	50.0	50.4	50.9	50.4	54.4	50.4	50.4	50.4	50.4	50.4
≥ 8000 ≥ 7000	40.7 <u>-1.5</u>	1.3 52.2	54.8	54.A	56.7 57.8	57.0 58.2	57.4 58.5	57.8 58.9	57.8 58.9	57.6 58.9	57.8 58.9	57.8 56.9	57.8 58.9	57.8 58.9	57.8 50.9	1117
≥ 4000 ≥ 5000	2.5	53.3	55.7 50.1	57.4	59.3 62.6	9.6	60.0	50.4 64.1	60.4	60.4	6C.4	60.4	60.4	60.4	60.4	60.4
≥ 4500 > 4000	4 4	59.3	57.6	64.1	67.0	£7.8	68.2	66.5	∪8 <b>-</b> 5	68.5	60.5	68.5	69.5	68.5	68.5	60.5
≥ 3500	$\frac{1}{3} \cdot \frac{1}{3}$	67.4	71.1	73.3	76.3	77.0 PC.0	80.4	78.5	78.5 81.9	78.5	81.9	81.9	81.9	78.5		78.5
≥ 3000 ≥ 2500	51.5	70 · 7	74.8	77.0	85.2	15.9	84.8	96.7	87.0	98.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	5 . 7	71.5	75.9	78.9	86.3	97.C	87.6	89.5	39.6	85.6	90.0	89.6	90.0	89.6 90.0	89.6	89.6 90.0
≥ 1800 ≥ 1900	3/.	72.2	76.3	8 C	89.3	40.4	90.7	73.D	93.3	93.3	93.3	93.3	97.3	93.3	93.3	93.3
≥ 1700 ≥ 1000	57.4 57.4	72.6	76.7	8 .4	97.4	°1.5	92.2	95.9	94.8 96.3	94.8	94.8	96.3	94.5	94.5	94.8	94.8
≥ 900 ≥ 800	51.4	72.6	76.7 76.7	80.7	91.5	93.0	94.1	96.3		96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 700 > 400	57.4	72.6	76.7	87.7	91.9	93.3	94.4	76.7	97.4	97.4	97.4	97.8	97.8	97.8	97.6	97.8
≥ 500	57.4	+ -	76.7	8:.7	92.6	94.1	95.2	96.7	98.2	98.5	98.5	98.2	99.3	99.5	99.3	98.5
≥ 400 ≥ 300	7.4	73.C	77.0	P1.1	93.0	04.4	95.6	97.B	98.5	98.9	98.9	99.3	99.6	99.6	99.4	99.6
≥ 200	57.4		77.0	81.1	93.0	94.4	95.6	97.8	98.5	98.9	98.9	99.3	99.6		99.4	99.6
≥ 100 ≥ 0	57.4	1		81.1	93.0	. 1			98.5	1		99.3	99.6			100.0

TAL NUMBER OF OBSERVATIONS 270

DIRNAVOCEANMET SMOS

MAVAL WEATHER SERVICE DETACHMENT, ASHEVILLE, NO

## **CEILING VERSUS VISIBILITY**

73-42

APC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING			•				VISI	BILITY (ST	ATUTE MIL	ES)						
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/14	≥ ¼	≥ 0
NO CEILING ≥ 20000	2.4	25.0 34.2	26.3 36.0	27.0 37.2	2°.Z	78 • 2 39 • 5	39.8	26.6 40.2	28.7	28.7	28.7	28.7	28.7	28.8 40.5	28.9	26.6
≥ 18000 ≥ 16000	0.2	34.2	36.1 36.1	?7.3 37.3	39.4	79.5 39.5	1	40.2	40.4	40.4	40.5	40.5	40.5	40.6	40.6	40.6
≥ 14000 ≥ 12000	0.		37.1	31.5	40.6	40.7	41.1	41.5	41.7		41.8	41.8	41.8	41.9	41.9	41.9
≥ 10000 ≥ 9000	35.7	41.5	44.7	46.6	48.8	49.1	49.5	50.0	50.3 51.0						50.5	50.5
≥ 8000 ≥ 7000	24 . 5	44.0		49.7		53.7		54.6	.5.0 55.8			55.2	55.2	55.3 56.1	55.3	55.3
≥ 6000 ≥ 5000	42.2	46.3	49.3 52.3	51.4	55.1	5.6	55.1	56.5	56.0		57.1	57.1 60.7	57.1		57.2	57.Z
≥ 4500 ≥ 4000	4.6	51.d	55.6 60.1	58.C	62.7			64.6	65.7		65.2	65.2	65.2 72.8		65.3	65.3
≥ 3500 ≥ 3000	2.4	58.5	67.7	65.7	72.9 78.0	73.9	75.3 81.1	76.3 P2.5	76.8 83.0	77.U	77.0 83.4	77.0	77.0	77.1	77.1	77.1
≥ 2500 ≥ 2000	3 · E	63.4	65.1	71.6	81.5	P1.8	83.7	85.1	85.6 87.0	86.3	86.1	86.1	86.1	86.2	86.2	86.2
≥ 1800 ≥ 1500	54.4	64.5	69.2	72.8	81.8	63.3	85.2 88.0	86.7	87.3	87.6	87.7	87.7	87.7	87.8	87.8	87.8
≥ 1200 ≥ 1000	5.3	65.2	70.0	74.0 74.4	84.1	86.0	88.8	93.1	91.7	92.6	92.7	92.7	97.9	93.0	93.D	93.3
≥ 900 ≥ 900		15.3 65.3	70.3	74.6	85.5 86.0	P7.7	90.9	93.4	95.6	95.5	95.7	95.8	95.9	96.7	96.0 97.3	96.0
≥ 700 ≥ 400		65.3	77.4	74.7	86.3	88.8	91.9	94.7	95.9	97.2	97.5	97.7	97.8	97.9	97.9	97.9
≥ 500 ≥ 400		65.4	71.4	74.7	86.6	89.2	92.6	95.5	96.8	98.2	98.6	98.9	99.1	99.2	99.2	99.2
≥ 300 ≥ 200	5 . 2	65.4	70.5	74.8	86.7	89.4	92.9	95.9	97.2	96.6	99.0	99.3	99.6	99.8	99.8	99.9
≥ 100 ≥ 0	5.2	65.4	70.5	74.8	86.7	89.4		95.9	97.2	98.6 98.6	99.3	99.3	99.7		99.9	10.0

TOTAL NUMBER OF OBSERVATIONS 1971

NAVAL WEATHER GEROVICE DETAUMN NT ASHEVIETE NO.

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE

# (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	£5)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 115	≥ 1%	≥ 1	≥ 4,	≥ 4,	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	• 7	29.9	24.0	31.5	3 - 5	72.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	33.1
≥ 20000	• _	41.0	41.6	42.9	46.1	47,4	48.1	49.1	40.1	40.1	45.1	48.1	4 8 . 1	48.1	49.1	48.7
≥ 18000	• 5	41.0	41.6	42.9	46.1	47.4	48.1	48.1	43.1	40.1	45.1	48.1	48.1	48.1	48.1	48.7
≥ 16000		41.6	41.6	42.9	45.1	47.4	48.1	48.1	48.1	44.1	48.1	48.1	45.1	48.1	48.1	48.7
≥ 14000	100	41.6	41.5	42.9	46.1	47.4	48.1	48.1	49.1	46.1	48.1	48.1	40.1	48.1	48.1	49.7
≥ 12000	- 3.5	45.5	40.5	46.8	50.7	- 72 • U	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	53.
≥ 10000	4 • 7	50.7	50.7	53.9	57.8	59.1	57.7	59.7	59.7		59.7	59.7	50.7	59.7	59.7	60.4
≥ 9000	• • • • •	10.7	5C.T	53.9	58.4	59.7	60.4	60.4	50.4	67.4	60.4	60.4	6	60.4	69.4	61.0
≥ 8000 > 7000		55.2	55.2	5.8 • <b>4</b> 4	63.Q	64.9	66.2	66.2	66.7	66.2	65.2	66.2		66.4	66.4	66.5
		<u> 55• 2</u>	55.2	58.4	63.6	55.6	66.9	66.9	66.9	66.9	66.9	66.9		66.9	66.9	67.5
≥ 4000 ≥ 5000		5.2	55.2	59.4	67.5	69.5	66.9	70.8	75.8		70.8	70.8	70.6	70.8	56.9 70.8	
}	1 . 1	- 63	63.3	66.2	72.1	74 . 1	75.3	75.3	75.3		75.3	75.3	75.3	75.3	75.3	71.4
≥ 4500 ≥ 4000	3.6	67.5	67.5	70.8	77.9	79.9		81.8	81.8	81.8	91.8	81.8	81.8	81.8	31.8	82
≥ 3500	67.5	40.4	69.5	77.4	8C - 5	-2.5	84.4	24 4	84.4	84.4	84.4	84.0	1.0.0	24.4	84.4	85.1
≥ 3000	0 3	70.8	70.8	76.D	83.8	86.4	89.0	89.0	89.0		89.0	89.0	89.0	89.0	89.0	89.6
≥ 2500	5. 9	75.8	77.8			P6.4	89.0	89.0			89.7	89.0	89.0	89.7	89.0	89.6
≥ 2000	5	71.4	71.4	75.6	84.4	17.0	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	95.3
≥ 1800	5	71.4	71.4	76.6	84.4	37.3	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	90.
≥ 1500	. 5	71.4	71.4	76.6	84.4	.7.7	97.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	92.2
≥ 1200	7.7 • 1	72.1	72.1	77.3	85.7	89.5	92.9	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	94.2
≥ 1000	1.1.1	72 . 1	77.1	77.3	86 . 4	90.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 900	7 . 1	72.1	72.1	77.3	36.4	90.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.1
≥ 800	L.1	72.1	72.1	77.3	36.4	20.9	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	96.
≥ 700	/ • 1	72.1	72.1	77.3	86.4	ିଠ - ୨	94.8	95.5	- 1	-	95.5	95.5	95.5	95.5	95.5	96.1
_ ≥ 400	• 1,	72.1	72.1	77.3	87.7	92.2		07.4	97.4		97.4	97.4	97.	98.1	98.1	98.7
≥ 500	· · · · 1	72.1	72.1	77.3	67.7	92.2		97.4	97.4		97.4	97.4	97.4	98.1	98.1	98.7
≥ 400	1	72.1	72.1	77.3	e7.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	99.4
≥ 300	70.1	72.5	72.1	77.3	87.7	92.2	96.1	97.4	- 1		99.1	98.1	98.1	98.7	98.7	99.4
≥ 200	70.1	72.1	72.1	77.3	87.7	92.2		97.4			98.1	98.1	98.1	98.7	98.7	99.4
≥ 100	7C • 1		72.1	77.3	87.7	92.2	76.1	97.4	- ;		98.1	98.1	98.1	98.7		100.0
≥ 0	70 • 1	72.1	72.1	77.3	87.7	92.2	96.1	97.4	97.4	97.4	98.1	98.1	98.1	98.7	98.7	100 .0

TOTAL NUMBER OF OBSERVATIONS 154

11

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NO

# **CEILING VERSUS VISIBILITY**

11

77-82

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/4	≥ 2	≥ 1%	≥ 114	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	e t. •	79.5	33	32.₽	37.3	37.2	37.2	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.6
≥ 20000	3 6	79.	47.1	45.3	4 9 . 4	49.4	57.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 18000	ar • 6	39 · i	42.1	43.3	49.4	49.4	50.6	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 14000		39.4	4 : 1	43.3	4 . 4	49.4	50.6	51.2	51.7	51.2	51.2	51.2	51.2	51.4	51.2	51.4
≥ 14000	÷ • 6	30.4	47.1	43.3	5 े • प	50 · 0	51.2	51.8	51.A	51.8	51.8	51.8	51.8	51.8	51.8	51.9
≥ 12000	0.7	43.3	46.3	47.6	54.9	54.9	56.1	56.7	50.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	<del></del>	48.6	51.8	53.7	61.0	61.6	62.8	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	45 · 3	48 . 4	51.3	53.7	61.Q	61.6	62.8	63.4	63.4	65.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ #000	47.7	49.4	5 7 • 1	.5.5	63.4	64 . N	65.2	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 7000	47.7	49.4	5 7 • 1	55.5	63.4	64.0	65.2	65.9	65.9	65.7	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	47.5	रा न	हिंदी, जी	56.1	64.0	14.6	65.9	46.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
> 5000	4,1,5	51.2	54.5	57.3	65.2	65.9	67.1	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	2.4	54 व	58.5	61.6	69.5	70.1	71.3	72.0	72.1	72.0	72.0	72.0	72.0	72.0	72.d	72.0
≥ 4000	5.5	57.7	61.6	65.2	73.2	74.4	75.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	3	61.3	35.2	66.9	76.8	78.1	79.3	A0.5	87.5	3n.5	80.5	8C.5	87.5	80.5	80.5	- ទីព - ទី
> 3000	3.4	45.9	75.7	75.6	84.2	-36 o D	87.2	88.4	88.4	88.4	88.4	38.4	88.4	88.4	88.4	88.4
≥ 2500	3.4	65. व	77.7	75.6	34.8	96.6	£7.8	89.0	87.7	89.0	89.0	89.0	29.0	89.5	89.0	89.7
≥ 2000	3.4	65.7	7 . 7	75.6	85.4	87.2	88.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1800	3.4	55.9	7 .7	75.6	84.4	P7.2	88.4	89.6	89.6	89.6	89.6	89.6	80.6	89.6	89.6	89.6
≥ 1500	3.4	65.9	7 .7	75.6	86.6	88.4	90.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 1200	4 0	56.5	71.3	76.8	88.4	93.9	92.7	03.9	93.9	93.9	93.0	93.9	93.9	93.9	91.9	93.9
≥ 1000	4	66.5	71.3	76.8	89.0	92.1	93.9	96.3	96.3	97.0	97.0	97.3	97.0	97.0	97.Q	97.0
≥ 900	4.7	66.5	71.3	76.8	89.0	92.1	93.9		96.3	97.0	97.0	97.E	97.0	97.5	97.0	97.0
≥ 900	4.0	66.5	71.3	76.8	89.0	52.1	93.9	- 1		97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 700	· 4 5	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	44. m	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0	97.6	97.6	97.6	97.6	97.6	97.6	97.6
	-4-3	66.5	71.3	76.8	89.0	92.1	93.9	96.3			97.6	97.6	97.4	98.2	91.2	98.2
≥ 500 ≥ 400	14.0	66.5	71.3	76.8	89.7	92.1	93.9	96.3	97.0		98.2	98.2	98.2	98.8	98.8	98.8
	4 . 0	66.5	71.3	76.8	89.0	92.1	93.9	94.3			90.8	78.8	98.8	99.4	90.4	99.
≥ 300 ≥ 200	4 0	66.5	71.3	76.8	89.0	92.1	93.9	96.3	97.0		98.8	98.8	93.8	99.4	99.4	99.4
<del></del>	14.5	66.5	71.3	76.8	89.0	92.1	93.0	96.3	97.0		98.8	98.8	98.8	99.4		100.d
≥ 100 ≥ 0	4 C	66.5	71.3	76.8	89.0	92.1	93.9	96.3			98.8		98.8	99.4	99.4	
لنسئا	7	5553			2,00	70.0	73.7	.0.3	, , ,	,, 40	70.00	70.0	1000	7794	7707	

TOTAL NUMBER OF OBSERVATIONS 164

NAVA, WEATHER SERVICE DETACHMENT ASHEVILLE NO

574 · 100

. 18

## **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				-			VISI	BILITY (ST	ATUTE MILI	E\$)						
(PEET-	≥ 10	≥ 6	≥ 5	≥ 4	≥ )	≥ 2%	22	≥ 1%	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	11.0	15.0	17.5	2 .6	?3.6	25.3	25.7	20.4	26.4	26.4	26.4	26.4		26.4	26.4
≥ 20000	14.	i o e c	2.7 . 4.	7	34 • 3	36.6	40.1	11.1	41.9	42.1	42.5	42.5	42.8		<u> </u>	42.9
≥ 18000 ≥ 16000	14.	10.0	27.6	?ć• <b>7</b> !	34.3	36.6	40.1	41.1	41.8	47.1	42.5	42.5	42.8	42.9	42.8	42.4
- "	4 •	16.8	2-3	26.7	36.3	36.6	42.1	41.1	41.8 43.8	44.2	44.5	42.5	47.8	42.5	44.9	47.8
≥ 14000 ≥ 12000	7 . 1	71.4	27.7	71.7	30.4	41.9	45.6	46.6	47.3	47.6	49.3	48.3	49.6	45.6	40.6	7
≥ 10000	7 4	32.6	3	32.5	41.4	43.6	48.0	49.7	5: 3	53.7	51.4	51.4	51.7	52.1	- 2 . 1	52.1
≥ 9000	7.3	22.4	2' 1	32.9	41.8	44.2	49.6	50.3	51.0	51.4	52.1	52.1	52.4	52.7	52.7	52.7
≥ 8000		25.7	33.2	37.3	47.3	1.0	55.8	57.9	58.6	59.3	59.9	59.7	63	60.6	66.6	60.6
≥ 7000	<b>3</b>	25.7	33.2	37.3	47.5	1.0	55.8	57.9	53.6	59.6	60.3	60.5	60.6	61.7	61.0	61.0
≥ 6000	77.4	26.1	33.6	37.7	4€.n	51.7	56.5	*8.6	59.3	60.3	61.0	61.0	61.3	51.6	61.6	61.6
≥ 5000	23.3	29.5	37.4	41.1	52 • 1	55.8	60.6	63.0	63.7	64.7	65.4	65.4	65.8	66.1	66.1	66.1
≥ 4500	7.1	32.2	4 . 4	45.2	57.2	61.6	66.8	69.2	69.9	73.9	71.6	71.6	71.9	72.3	72.5	72.3
≥ 4000	':•3	33.9	4. • 9	48.4	51.5	65.4	75.6	73.3	74.3	75.7	76.4	76.4	76.7	77.1	<u>77.1,</u>	77.1
≥ 3500	7.7	36.0	44.9	50.3	64.11	69.2	74.3	77.7	78.8	80.1	87.8	80.8	81.2	91.5	81.5	81.5
≥ 3000	2 • 4	37.4	4 . 0	51.4	66.1	71.0	76.7	80.3	82.5	94.3	84.9	84.9	85.3	85.6	85.6	85.6
≥ 2500	• 1	37.0	45.5	1.4	66.4	71.9	77.1:		33.2	85.3	86.0	86.0	86.3		86.6	86.6
≥ 2000	2. • 3	37.3	4 - 9	<u> </u>	66.4	72.3	77.4	81.5	83.6	86.	86.6	86.6	87.0		87.3	87.3
≥ 1800	12 • 3	37.	45.9		66.4	72.3	77.4	81.5	83.6	86 · D	86.6	86.6	87.0	1 1 7	87.3	87.3
≥ 1500		37.		51.7	67.5	73.3	78.4	92.5	85.6	88.7	89.7	89.7	90.1	90.4	90.4	20.4
≥ 1200 > 1000	7.	37.4	40.2	53.4	67.8	74 . 0	87.1	08.6	57.7	91.1	90.8	90.8	91.1	C 1 . 4	91.4	91.4
	, 5°	37.5	46.5	20.31	68.8	75.7	80.5	84.9	88.7	-	92.8	92.8	93.2	93.5	73.4	93.5
≥ 900 ≥ 800	23.6	37.4	46.2	52.1	69.5	75.7	81.5	96.3	39.7	93.5	94.9	94.9	95.2	95.6	95.6	95.6
-	a	37.3			69.5	75.7	81.5	86.3	89.7	93.5		94.9		95.6	95.6	95.6
≥ 700 ≥ 400	26.8	37.0	40.2	52.1	70.2	76.4	82.9	37.7	91.1	94.9	96.2	96.6	96.9	97.3	97.3	97.3
≥ 500	3: -	37.3	45.2	52.1	70.2	76.4	82.9	87.7	91.1	95.2	96.6	96.9	97.3	97.6	97.6	98.1
≥ 400	23.A	77.d	42	52.1	70.2	76.4	82.9	87.7	91.1	95.2	96.6	96.9	97.6	98.3	98.6	99.0
≥ 300	75.4	37.1	46.2	57.1	75.6	76.7	83.2	88.0	91.4	95.6	96.9	97.3	98.0	99.0	99.3	99.7
≥ 700	27.0	37.	44.2	52.1	77.6	76.7	83.2	3e.0	91.4	95.6	96.9	97.5	96.0	1	99.7	toe•d
≥ 100	₹ . N	37.7	45.2	52.1	76	76.7	83.2	P8.0	91.4	95.6	96.9	97.3				100.0
≥ 0	23.4	37.:	44.5	52 - 1	70.6	76.7	83.2	88.0	91.4	95.6	96.9	97.3	96.0	99.3	99.7	100 · q

TOTAL NUMBER OF OSSERVATIONS \_\_\_\_\_ 292

NAVA, MEATHER REPORTS ELECTABLISHED ASHEVILLE NO

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CELLING			<del></del>	<del></del>			VISI	BILITY (ST	ATUTE MIL	ES)						
CEILING :FEET:	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 2%	2 2	≥ 114	≥ 114	≥ 1	≥ 4,	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING ≥ 20000	•	74.1	25.1	75.5 42.7	42.1	78.3	2 ° - 3 50 - 9	?8.3 50.9	28.4	20.3	28.3	28.3	28.3	28.3 50.9	28.3	28.1
	• -	77.3	- <del></del>	43.1	49.5	- 50 • SI - 55 • 9	2007	51.3	51.3	50.9	50.9	51.3	51.3	51.3	50.9	57.9 51.3
≥ 18000 ≥ 16000	•	37.3	19 63 E T	24.2	497 • 31 40 E	SO O	51.3	1.3	51.3	51.3	51.3	51.3	51.3		21.2	51.3
			43.7	<u> यह ज</u>	<del></del>	£4.5	54.8	74.0	54.9		54.8	54.8	21.03	51.3		54.8
≥ 14000		ALCO IS	4207		55 0	57.7	:	_ <b>~ .</b> .			-		5 T + C	24.0	E 0 6	
≥ 12000	7	40.0 65.3	4 - 0 C	48.U	55.1		58.4	58.4	58.4	58.4	58.4	58.4	58.4		25.4 25.4	58.4
≥ 10000	. •		47.0	20 • 27	51 a 8	61.3	62.0	62.0	67.7	62.0	62.3	62.0	62.0	62.0	12.3	
≥ 9000	3 • 7 • <del></del>	42.5	4 7 . 0	20 • Zi		61.3	62.3	62.0	52 · F	62.g	62.0	62.0	67.0	62.1	- ひよる以	62.0
≥ 8000	, • •		40.5	2	62.0	74.5	65.2	65.2	65.2	65.2	65.2	65.4	55.2	65.2	65.2	0.00
≥ 7000	• 5i च∵ • ₽		4 1 2 2	52.7	62.0	4.5	65.2	65.2	65.2	65.2	65.2	65.2	- <del>77</del> 2	65.2	65.6	65.2
≥ 6000	37.5	44.4	40.5	52.7	62.4	64.3	65.6	45.6	65.6		65.6	67.6	65.6	55.6	65.6	65.6
≥ 5000	1.04	40.0	51.5	54 B	65.6	68.1	68.8	69.8	68.9	68.8	64.8	6.7 • 8	30 8	58.8	58.8	68.8
≥ 4500	- • []	40.4	54.1	57.7	68.8	71.3	72.1	72.0	1201	72.0	72.0	72.3	72.0	72.0	72.0	72.3
≥ 4000	- 1	ش مان: حد درجو −	5 5	. 9	73.1	75.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 3500	17. I	T 11.5	57.4	60° 0	74.2	76.7	77.8	79.5	78.9	78.9	79.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	62.	4 • 1	60.2	63.8	79.2	82.1	83.2	84.2	85.17	55.0	65.7	85 · C	<u> </u>	85.0	85.0	85.0
≥ 2500	. 4	55.2	61.3	64.0	81.0	93.9	85.3	56.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2000	43.	55.9	6 0	45.6	92.1	15.3	86.7	27.8	88.5	F8.5	85.5	88.5	88.5	88.5	88.5	88.5
≥ 1800	4 . 1	56.3	62.4	60.0	82.4	~5.7	87.1	08.5	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 1500	4.1	56.3	62.7	66.3	82.R	₽ <b>6</b> • €	87.8	89.3	90.0	90.3	90.3	90.3	50.3	90.3	90.3	90.3
≥ 1200	4.4	56.6	63.1	66.7	83.9	87.1	89.3	9: • 7	91.8	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 1000	4 . 4	E6.6	67.1	66.7	85.3	F8.9	91.4	93.2	94.6	96.1	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	4 . 4	56.5	63.1	66.7	85.3	8.9	91.4	33.6	95.1	96.8	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	. 4 . 4	56.6	6 7 . 1	67.4	86.0	89.6	92.5	94.6	96.1	97.9	98 . 7	98.2	98.2	98.2	98.2	93.2
≥ 700	4.4	56.5	63. I	67.4	36.0	89.6	92.5	92.3	96.5	98.9	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	1.12 . 44	56.6	63.1	67.4	36.0	89.6	92.5	95.3	96.3	98.9	99.6	99.6	99.6	99.6	99.6	99.4
≥ 500	4.4	56.6	63.1	67.4	95.0	89.6	92.5	95.3	96.8	98.9	99.6	99.6	99.6	99.6	99.6	99.5
≥ 400	4 4	56.6	63.1	67.4	86.0	89.5	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	. H . H	56.6	63.1	67.4	86.7	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	โต้อ.ตี
≥ 200	4 . 4	56.6	63.1	67.4	86.7	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	- 4 - 4	56.6	67.1	67.4	86.0	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	00.0	100.0
<u> </u>	44.4	56.6	63.1	67.4	66.	89.6	92.5	95.3	97.1	99.3	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 279

MANAGEMEATHER SERVICE DETACHMENT ASHEVILLE NO

CEILING (FEET)

NO CEILING

≥ 20000

≥ 16000 ≥ 14000

≥ 12000

≥ 10000 ≥ 9000

≥ 8000

≥ 7000

≥ 6000 ≥ 5000 ≥ 4500

4000 ≥ 3500 ≥ 3000

≥ 2000 ≥ 1800 ≥ 1500

1200

700 #00

100 200

100

≥ 10

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

72-32

VISIBILITY (STATUTE MILES) 22 / 214 214 1 > 1 ≥ % ≥ % ≥ % 27. 1 23.4 78.7 ? 9 . 4 29 . 4 29 . 4 29 . 4 29 . 4 29 . 4 29.4 29.4 29.4 29.4 29.4 51.4 51.4 51.6 45.7 4°.1 47.8 51.6 51.6 51.6 51.6 51.6 51.6 51.6 51.6 51.6 52.5 56.1 59.8 . 5 69. 4 76. 5 79. 2 88. 2 88. 2 89. 6 91. 4 91. 7 92. 0 92. 0 92. 0 92. 0 92. 0 92. 0 92. 0 

54.5 69.9 76.5 79.6 90.7 91.3 92.7 96.9 98.6 99.71C0.d100.d100.d100.d100.d100.

52.5 69.9 76.5 79.6 90.7 91.0 92.7 96.9 98.6 99.7100.0100.0100.0100.0100.0100.0

289 TOTAL NUMBER OF OSSERVATIONS

DIRNAVOCEANMET

ARGA, ACATHEM SERVICE CETACHMENT A RESULTE ME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 21/2 ≥16 ≥14 ; ≥1 ; ≥4 ; ≥4 ≥ 3 ≥ 15 25/16 0.57 30.57 30.57 30.57 30.57 30.57 30.57 30.57 NO CEILING ≥ 20000 ≥ 16000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 67. 0 67. 0 67. 0 67. 0 67. 0 67. 0 67. 0 67. 0 67. 0 67. 0 ≥ 8000 ≥ 7000 64.2 64.7 67.0 ≥ 6000 ≥ 5000 64.9 65. 67.7 64.1 Ay.8 71.9 71.0 71.9 71.0 71.0 71.0 71.0 71.0 71.0 71.0 71.9 ≥ 4500 ≥ 4000 70.5 72.6 73.6 75.4 76.4 76.4 76.4 76.8 76.7 76.7 76.7 76.7 76.7 76.7 72.9 75.4 77.1 30.2 0.5 80.6 80.6 80.6 80.9 80.9 80.9 80.9 80.9 80.9 80.9 3500 3000 4.7 84.7 84.7 84.7 85.1 85.1 85.1 85.1 85.1 65.1 75.4 72.8 23.9 84.4 76.4 79.9 51.9 25.4 ≥ 2500 ≥ 2000 78.5 82.3 34.7 88.2 89.21 89.2 89.6 89.6 89.9 89.9 89.9 89.9 77.6 82.6 65.1 38.5 89.6 89.6 89.9 69.9 92.3 92.3 92.3 92.3 92.3 90.3 <u>></u> 1800 25.4 89.2 90.3 90.6 91.0 91.0 91.3 91.3 91.3 1200 70.8 83.7 96.1 90.5 94.4 51.7 92.4 02.7 93.4, 94.4 94.4 56.1 95.6 01.7 92.4 92.7 53.4 94.4 94.4 2.4 93.4 94.1 94.8 95.8 95.5 95.8 95.8 2.7 94.1 95.1 96.2 97.6 97.6 97.6 97.6 6.8 91.3 800 79.5 84.0 27.2 71.7 F7.2 91.7 93.1 94.4 95.5 96.5 97.9 98.3 98.3 98.3 98.3 79. इ.स. त बर-इ ११.त वर्ड स 94.8 96.2 97.7 98.6 99.1 99.0 92.4 73.0 95.1 92.4 73.8 95.1 73.0 95.1 67.2 92.4 93.8 95.1 96.9 99.3 99.7100.0100.0100.0100.0100.0100.0 84.7 27.2 92.4 93.8 95.1 26.9 98.3 99.7 100.0 100.0 100.0 100.0 100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 2 8

DIRNAVUCEANMET SMOS

. 11

NAVA, WEATHER BUREFULL FOR THE SECTION A DISCUSSION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	ATUTE MILE	(5)						
FEET	≥ 10	. ≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	ביו ≤	≥ 1%	≥ 1	≥ 4,	≥ 4,	2 4	≥ 5/16	≥ .	≥ 0
NO CEILING	` •	<sup>3</sup> ₹ <b>,</b> \$	24.7	75.3	- 3	75.3	25.3	75.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7	25.7
≥ 20000	li•,	3 • 5	4 • 5	41.0	43.6	. 44 . 3	44.	44.6	44.6	44.6	44.4	44.6	44.6	44.6	44.6	44.5
≥ 18000	3.	33.5	4 .5	41. A	47.5	24.3	44.3	44.5	44.6	44.6	44.6	44.6	44.5	44.5	44.5	44.4
≥ 16000	1.	33.5	4 . 5	<del></del>		44.5	44.3	44.5	44.6			44 • 3	44.6	44.5	44.5	44.9
≥ 14000	3 • 1	48.4		•	46.01		46.8		47.7		47.1	47.0	47.0		47.5	
≥ 12000	• ?	47.5			53.1	63.7		4.1	+	54.1		54.1	54.1	54 • 1	54 - 1	54 • 4
≥ 10000	1.		- · · · · ·	74.4	56.0		57.4		K 7 . 0	57.8		57.5	57.8	57.6	57.8	57.8
≥ 9000	•	. <u>1•3</u>	<u> </u>	55.1		38.5			5 P . 8			5 t . 8	53.4	_ 29 • g	58.8	- C • 2
≥ \$000	4.7	- 4 •	5 • 1	• 1	52 <b>.</b> 8	£3.7		64.2	64.7	54.2	64.2	64.2	64.2	64.2	64.2	54 . 7
≥ 7000	4 • *,	4 • 7	5 • 1	41.2	63.		64.	45.2	<u> 55.2</u>	65.2	65.2	65.2	_ <u>==-•</u> 2	<u> 65 • 27</u>	65 · Z	15.4
≥ 6000	4 • 1	° ć • 4	61.2	(3.5	66.6	67.6		67.9		67.		67.9	67.9		67.0	67.9
≥ 5000		•	ေႏွ ့		₹ • 3	73	77.3	7:1.6	7: • -	<u>74•€.</u>	7 r. t.	70.6	70.6	70.6	10.6	70.6
≥ 4500	•	5 • 0	65.5	6 t • 2	71.6	72.5	72.6	73.3	73.5	73.5	73.3	73.3	73.3	73.3	75.5	73.3
≥ 4000	•		<b>0</b> • t	71 • 3	75.3	76.7	77.4.	73.4		(A • U	-	<i></i> "•!-i.	_ <u>/</u> 8 • U	. <u>/5•1</u>		7:•9
≥ 3500 > 3000	1	4.5	6 / 6	73.3	70.4	70.1	5 7	21.4	1.4	81.4	61.4	61.4	× 1 • 4	°1.4	61.4	31.4
. **			77.7	77.	82,4 33.5	-4 • 1	64.3	£5.5	3 - 5 6 7 - 5	85 • 5	85.5	85.5 87.5	<u>⇒</u> }•}	83.5	25.5	25.5
≥ 2500 ≥ 2000		-8 • <del>?</del> • • • •		77.4	-	55.5	66.5	27.2	67.2	97.5	87.5		87.5	87.5	27.5	27.5
<b>∤</b> −	٠.			75.4	. 4 · £			23.9 18.9	57.2	89.5 89.5	80.5	89.5 87.5	30.5 30.5	99.5	89.5	89.5 89.5
≥ 1800 > 1500	•	58.5	74.7	73.4	95.8	P7.8	88.2 89.5	99.5	90.0	91.2	91.2	91.2	\$1.2		71.2	
<b>,</b> - +		1. P. S.				8.5		31.2		91.9		91.		,,		91.2
≥ 1200 > 1000	1	1.00 m	75.3	70 1	87.5	59.5	97.2	92.9	93.6	94.3	94.3	94.3	54.3		91.5	1
-			75.3	70.1	87.5	39.5			_ = :		74.3					94.3
≥ 900 > 600		63.0			87 - A	90 • 2	92.2		94.6	95.3	• -	95.6			95.6	95.6
-	1		75.3		38.2	00.5					96.6			96.6		- 1
≥ 700 > 600	# · 1	9 . 5	75.3		88.2	40.5	92.6	04.3			97.6					. i
	1		75.3			70.5		4 3			97.6					
≥ 500 > 400	5 1		75.3		88.2	0.5			97.6	99.0				99.7	'	99.7
ł I 1		59.5			33.7	न्द्र इ			97.6			5		09.7	· · · · · •	
≥ 300 ≥ 200	4	69.6		79.1		5	92.9	- 1	98.0		99.7	* 1		10.0	- 1	
ł - ·			7- 3			7. 5			99.7		90.7			100.0		
≥ 100 > 0	3 1			79.1		27.5		95.3	- :		99.7			130.0		
		7.	<b>4 3 6 3</b> ,		.,	• 3	7 - 9 7	3	70 1	7703	- 7 <b>- 1</b> 1	7700	7791	LUOU.	2 00 0 C	<u> </u>

TOTAL NUMBER OF OBSERVATIONS 296

DIRNAVOCEANMET SMOS

41

41

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MANAL MEATHER SERVICE DETAUMNENT ASHEVILLE NO.

# **CEILING VERSUS VISIBILITY**

MAY TEATE TEATER NAME TEATER N

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

POVES (C S T

CEILING							VISI	BILITY (STA	ATUTE MILI	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 114	≥ 1%	≥ 1	≥ %	≥ 4,	≥ 4	≥ 5/16	≥ 4	≥ 0
NO CEILING	1.7	27.1	2:.5	25.8	9.0	11.3	31.0	31.0	31.0	31.0	31.U	31.7	31.0	31.3	31.0	31.7
≥ 20000	1.7	36.7	37.5	4 . 2	42.4	43.9	43.8		43.8	43.8	43.6				43.8	43.8
≥ 18000	1.7	36 • 7	39.5	4 • 2	42.4	43.9	43.8		43.9	43.6	43.8	43.8		43.8	43.8	43.9
≥ 16000	1.5	16.7	3 ? • 5	4 . 2	42.4	43.8	43.8		43.8	43.8	43.5	43.0	43.5	43.8	43.8	43.8
≥ 14000	2.0	3/.4	4 . 2	41.3	47.8	45.2	45.2	,	45.2	45.2	45.2	45.2	45.2	45.2	45.2	*5.2
≥ 12000	• .	4 7.	4 . 6	46.6	49.5	50.9	50.9		50.9	50.9	55.9	50.9	50.9	·	<u>-25∙3</u>	50.9
≥ 10000 ≥ 9000	• 1	4 . 1	52.0	53.4	56.2	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
<b>⊢</b> ≕		-	57.7	-,4 - 1	56.9	58.4	58.4	65.1	58.4	58.4	65.1	65.1	75.4	65.1	65.1	58.4
≥ 8000 ≥ 7000	•	5.0	50.1	- 79 - 11 - 6 - 61	64.1	64.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9		86.0	66.9
⊦ <sup>−</sup>		56.2	50.4	4 0	64.4	66.0	67.3	67.3	67.3			67.3			67.3	
≥ 6000 ≥ 5000	45.8	58.0	61.6	63.4	66.0	i i	69.B	1	69.8	69.8	69.6	59.8	69.8	69.8	69.8	69.8
≥ 4500	₹ ~	51. F	<b>5 5</b>	67.6		73.7	74.		74.0	74.0		74.0	74.0	74 . D	74.0	74.0
≥ 4000	5. >	64.8	60.7	7C . 8		17.6	78.7	78.7	76.7	78.7	79.7	78.7	78.7	78.7	78.7	78.7
≥ 3500	7.1.3	65.0	71.9	74 . C	76.3	30.8	81.9	82.6	82.6	92.6	82.6	62.6	82.6	32.6	82.6	82.6
> 3000	• 7	76.8	74.7	76.9	81.5	F4.7	85.8	86.5	86.5	86.5	86.5	86.5	36.5	86.5	86.5	86.5
≥ 2500	. A	72.2	76.2	79.5	84.0	56.5	88.3		89.	89.6	,	89.D		89.0	89.0	85.0
≥ 2000	2.1	73.0		33.1		17.5	89.3				90.0				36.0	90.0
≥ 1800	′ • 1	73.0	77.2	30.1		1	89.3		:	90.0			90.0		90.0	93.0
≥ 1500	• 1	73.3		80.4		90.4		93.2				93.2			•	93.2
≥ 1200	• 1	73.7		81.1		!		- 1	;	95.0		95.0	• •		95 • Di	
≥ 1000			79.3	81.5		01.8	94.3			96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 900 ≥ 800	E`	74.1		. •			94.7	_	(	- · ,			96.4	97.9	97.9	96.4
ł <sup>-</sup> ł			70.3				95.7			98.9				98.9	98.9	93.9
≥ 700 ≥ 400	J • 5	74 G	79.3	51.9	89.7	93.2	96.1		98.9				99.6		99.6	99.6
} - 1	6.5			F1.9	89.7	73.2	96.1			99.6		99.6				
≥ 500 ≥ 400	0.5	74.0	76.3	F1.9	89.7		96.1			99.6		- 1	99.6			99.6
≥ 300		79.0		81.9	89.7	93.2	96.4							100.0		
≥ 200	0.5	74		81.9			96.4							100.0		
> 100		74.		61.0	89.7		96.4							100.0		
≥ 100 ≥ 0	1 3 . 51	74.0	79.3	l l	89.7		96.4		- 1					100.0		

OTAL NUMBER OF OBSERVATIONS 2.5.1

DIRNAVOCEANMET SMOS

MAVAL WEATHER SERVICE DETACHNOOF ASHEVILLE NO

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7.7 = 5.2 YEARS

ALL MONATURE

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
(FEET:	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥1	≥ %	≥ 4,	≥ %	≥ 5/14	≥ '4	≥o
NO CEILING	1.3	24.7	26.3	26.9	23.8	. 9 . 1	25.4	27.5	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.7
≥ 20000		73 a.l.	45.6	42.2	45.9	46.6	47.5	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.0	8.7
≥ 18000	, ¿ . F	*3 • 1	40.7	42.3	46 . D	46.9	47.6	47.8	47.9	48.0	48.0	45.0	48.1	48.1	48.1	46.1
≥ 16000	بكعفت	31 ml	4.07	42.3	46.0	46.9	47.6	47.8	47.5	48.0	45.0	46.0	48.1	48.1	48.1.	46.1
≥ 14000	73.3	4	42.3	44.1	48.7	49 .C	49.6	49.9	50.0	50.0	5C - 1	50.1	50.1	50.1	50.1	50.2
≥ 12000	4	43 <u>. 8</u>	46.5	45.7	53.	54. ij	54.8	55.0	55.1	55.2	55.3	55.3	55.3	55.3	55.3	55.4
≥ 10000	3 C • C	46.5	5 1	52.4	57.1	58.2	50.	59.4	59.5	59.5	59.6	59.6	59.7	59.7	59.7	59.8
≥ 9000	<u> </u>	47.1	5 . 4	52.6	57.4	58.5	59.4	59.8	59.9	59.9	60.0	60.0	60.1	60.1	60.1	63.2
≥ 8000	42.3	40.5	53.6	56.1	51.2	62 · S	63.8	64.2	64.3	64.4	64.5	64.5	64.6	64.6	64.6	64.7
≥ 7000	13.6	50 • 2	53.9	55.4	61.7	63.2		64.7	64 . 8	64.9	65.r	65.0	65.1	65.1	65.1	65.2
≥ 6000	7 • 1	50 • 6	54.7	57.2	62.7	64.2	5	65.6	65.7	65.9	66.0	66.0	66.0	66.1	66.1	66.1
≥ 5000	44.	<u> 52 • 8</u>	56.P	9.3	65.2		<del></del> +		68.3	68.5	68.6	68.6	68.6	68.7	68.7	68.7
≥ 4500	47.	55.5	5 . 1	62.5	68.7	70.3	71.4	72.0	72.1	72.2	72.3	72.3	72.3		72.4	72.4
≥ 4000	. <u> </u>	58 • 1	62.1	55.6	72.6	74 . 6		76 .€	76.7	77.0		77.0	77.1	77.1	<u> 77 • 1,</u>	77.2
≥ 3500 > 3000	• 61	50.0	64.9	5 H • 1	75.7	77.6	79.0	85.0	83.2	80.5	80.6	80.6	80.6		80.7	80.7
· "	. Ž•	62.7	0 / 0 8	-4	79.7	81.9	83.5		85.7		85.4	85.4	85.5	35.5	-65.5	83.6
≥ 2500 ≥ 2000	3.2	(3.6	40.0	72.5	51.3	83.6	85.2			87.2	87.3	87.3	87.4	87.4	87.4	87.5
	_`4•Ω	04.5	69.9	73.6	82.6	85.4	86.7	98.C	88.4	88.8	88.9	88.9	89.0	89.0	89.0	89.1
≥ 1800 ≥ 1500	4.5	64.5	70 • 0  70 • 2!	77.0	82.7	85.1	86.8	88.1	88.6	89.U	89.1	91.0	57.1	87.4	69.2	89.2
	4 • 2	64.9	70.5	73.9	84.6	87.3	89.6		91.0	92.6	91.0	91.D	71.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	37 · F	51 • H
≥ 1200 ≥ 1000	4.4	65.1	70 4	74.6	85.3	88.2	90.7	,	93.5	94.6	74.60. 94.8	72.5	74.5	74.7	94.9	92.9 95.0
1	4.4		7 - 6	74.6	85.4	8.2	9D.8	=_:+	93.7	94.8	95.0	95.0	25.1	95.1	95.1	95.2
≥ 900 ≥ 800	4 6	55.2	7 . 7	74.8		38.8	91.5	- 1	94.9		96.5	96.5	96.5	96.6	04.4	96.6
	4 5	65.2	71.7	74.0		89.1	91.9		95.7	97.1	97.5	97.5	97.5		97.6	97.6
≥ 700 ≥ 600	4 5		77.7	74.9	86.4	29.4	92.3	74.8	96.4	,		98.3		98.5	98.6	98.6
≥ 500	4 5	65.2	7 . 7	74.9	36.4	89.5	92.4	95.0	96.6	98.D		98.5	98.6		98.8	96.9
≥ 500 ≥ 400	4 . 5	65.2	7 7	74.9	86.4	69.5	92.4		1	96.5			99.2	1	99.5	
≥ 300		65.2	7 . 7	74.9	86.5	89.6	92.5	95.3	97.1		99.2	99.3	99.4	99.7		
≥ 200	4 . 5	65.2		74.9			92.6			98.7	1	1				
≥ 100			77.7	74.9	86.5	89.6	92.6			98.7						
2 0			70.7	- 1	86.5					98.7					99.8	

TOTAL NUMBER OF OBSERVATIONS 2843

DIRNAVOCEANMET SMOS

MAVAC WEATHER SERVICE DETACHMENT ASHEVILLE NO

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20\_\_\_

CEILING							VIS	IBILITY (ST	ATUTE MIL	.ES)						
(FEET'	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¥	≥ %	≥ 4	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	1 . 7	7.0		23.1	24.2	74.9	25.4	25.4			26.0	26.0			26.3	26.0
	٠.	44.	34.5		32.4	32.4	33.5	73.5	34.1	34.7	34.7	34.7		34.7	34.7	3 : 5 : 3
≥ 18000 ≥ 16000	٠.	?3.1	24.3	77.2	32 • 4:	32 - 4	33.5	33.5	34.1		34.7	34.7	34.7	34.7	34.7	34.7
2 1000		23.1	24.3	27.2	32.4	32.4	33.5	33.5	34.1	34.7	34.7	34.7	34.7	34 . 7	39.7	34.7
≥ 14000	'ଅ•ପ୍	23.1	24.3	27.2	33.	33.0	;	34 - 1	34.7	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000		30 • 1	31.8	34.7	41.6			43.4	43.9		44.5	44.5	44.5		11.5	44.5
≥ 10000	34.7	76.4	39.3	42.2	50.3	50.9	52.0	×2.6	53.2		53.8		53.8	53.6	55.8	53.5
≥ 9000	37.6	39.3	4 ? • Z	45.1	53.2	53.3	54.9	55.5	56.1		56.7	56.7	56.7	56 · T	56 . T	56.7
≥ 8000	43.4		48.6	52.0	60.1	60.7	61.9	62.4	63.0		63.6	63.6	63.6	63.6	63.6	63.4
≥ 7000	3 - 4	45.1	40.6		67.1	60.7	61.9		63.0			63.6	63.6	63.6	63.6	63.6
≥ 4000	43.0	45.7		1	67.7	61.3	62.4	63.0	63.6		64 • Z	64.2	64.2	64.2	64.2	64.2
≥ 5000	43.1	46.0	50.3	4.3	64.2	64.7	65.9	66.5	67.1		67.6		67.6	67.6	67.6	67.6
≥ 4500	45.7	47.4	50.9	54.9	65.3		67.6	68.2	68.8		69.4	69.4	69.4	69.4	69.4	69.4
≥ 4000	* • 1	70.7	56.1	60.1	71.1	72.3	74.0	75.7	76.3		76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	5. •	°2•6	57.3	61.9	77.4	75 . 1	76.9	79.2	79.8	80.4	80.4	83.4	80.4	80.4	80.4	80.4
≥ 3000	2.6	54.9	6 .1	64.2	76.3	78.0	80.4	3.2	83.9		85.0	85.0	85.0	85.0	95.0	. 85.Q
≥ 2500	3 • 2	55.5	6 • 7	64.7	76.0	78.6	81.5	94 . 4	85.C	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 2000	23• °	56.1	61.3	65.3	77.5	79.2	82.1	83.5	85.6	86.7	86.7	86.7	86.7	56 . 7	86.7	86.7
≥ 1800	53.1	56.1	61.3	65.3	77.5	79.2	82.1	85.0	86.1	87.3	67.3	87.3	87.3	87.3	87.3	A7.3
≥ 1500	53.6	56.7	61.9	65.9	78.0	90.9	84.4	97.3	88.4	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	53.	56.7	62.4	66.5	80.4	A3.8	87.3	90.2	91.3	92.5	97.1	93.1	93.1	93.1	93.1	93.1
≥ 1000	55.1	55.7	62.4	66.5	80.9	C4 . 4	88.4	91.9	93.1	94.8	95.4	95.4	95.4	95.4	95.4	95.4
≥ 900	53.	56.7	62.4	66.5	87.9	94.4	88.4	91.9	93.1	94.5	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	53.	56.7	62.4	66.5	80.9	P5.0	89.0	92.5		,	96.0	96.0	96.0	96.0	96.0.	95.0
≥ 700	53.5	56.7	62.4	66.5	87.9	85.0	89.6	93.1	94.2	96.0		97.1	97.1	97.1	97.1	97.1
≥ 400	2 / 4	56 . 7	62.4		80.9	35.C	89.6	- 1	94.5		97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	43.0	56.7	62.4	46.5	80.9	45.0	89.6	93.1	94.8			98.3	·	98.3	98.3	98.3
≥ 400	4 . 3	57.2	63.0	67.1	82.1	36.1	90.8	94.2	96.5					100.0		100.0
≥ 300	-4 - 3	57.2	63.n	67.1	82.1	96.1	90.8	94.2	96.5					100.0	I-E I	T 2 T
≥ 200	4.3	57.2	63.0	1	82.1	P6.1	90.8	94.2	96.5					100.0		
	14.3		63.0		82.1	86.1	97.8	94.2	96.5					100.0		
≥ 100 i ≥ 0		57.2	63.0	1	82.1	86.1	97.8	94.2	96.5					100.0		

TOTAL NUMBER OF OBSERVATIONS

17

76-0. JUN

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
1861	≥ 10	2.6	2 3	2.4	≥ 3	≥ 3 <sup>1</sup> / <sub>4</sub>	≥ 2	214	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
HO CEILING		1 * • *	1	17.3	10.7			20.2	-			20.2	20.2	20.2	20.2	20.2
≥ 20000		16.	₹ <b>.</b>		25.0				30.1		30.1	30.1			30.1	30.1
≥ 10000	•	15.	2 • 2	20.0	26 • 🗣	29.5			1	30.1				- 1		30.1
≥ 14000		1965		2:00	47.9	,		30.1		30.1			30.1			30.1
≥ 14000	1 • 5	19.1	20.ª	26.6	29.5	30.1	30.6	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2	31.2
≥ 12000	1.4	52.0	2: 27.	27.5.	33.5			36.4			36.4	36.4	36.4	36.4	36,4	36.4
≥ 10000	4	26.0	20.5	35.3	39.9	-1-0	42.8	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 9000		28.9	37.4	35.2	43.4	44.5	46.2	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.9
≥ 8000	73.	73.5	37.6	45.4	49.1	50 . 3	52.6	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 7000	: 3 • 1	33.5	37.6	43.0	49.7	50.9	53.2	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 400	14.1	34 . 7	34.7	45.1	5 . 9	52.6	54.3	54.9	54.9	54.9	54.9	54.9	54.9	54.0	54.9	54.9
≥ <b>3</b> 0-	_	37.6	41.6	40.0	53.8	54.9	57.8	58.4	59.4	58.4	58.4	55.4	58.4	58.4	56.4	56.4
≥ 4500	•	3.7	42.8	44.1	55.5	57.2	60.1	63.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	6D.7
≥ 4000	11.0	41.6	46.2	54.9	63.6	65.3	69.4	69.9	69.9	73.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 3500	45.7	46.2	53.9	49.4	70.5	72.3	76.3	77.5	77.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	45.7	46.2	50.9	1.9.5	71.7	73.4	77.5	80.4	80.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 2500	4: . 2	46.	51.5	6C.1	72.3	74.0	78.0	80.9	80.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 2000	41.7	47.4	5 .0	61.3	73.4	75 . 1:	79.2	62.1	82.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1800	40.2	47.4	52.	61.3	73.4	75.1	79.2	F2.1	82.1	33.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 1900	42	47.4	52.	61.3	74.6	76.9	81.5	45.D	85.7	56.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ :200		47.4	53.2	62.4	76.3	78.6	83.2	27.3	87.3	89.0	89.0	89.0	89.0	89.0	89.0	89.C
≥ 1000		47.4	53.2	62.4	76.9	61.5	56.1	9C.2	97.8	93.1	93.6	93.6	93.6	93.6	93.6	93.6
Ì ≥ +000 Ì	4 . 7	47.4	57.2	62.4	76.9	41.5	86.1				93.6			93.6		
≥ 800	4 ?	47.4	57.2	62.4	76.9	52.1	86.7				94.8			94.8	94.8	
2 700	4.	47.4	5 7 2	62.4	76.9	£2.1	86.7				94.8		94.8	94.8	94.6	94.8
> 000	41.2	47.4	53.2	62.4	77.5	82.7	87.3	1	1		97.7	_	97.7	97.7	97.7	97.7
> 200	46		53.5	63.D		*3.2				97.7						
2 40	46.	48.6	54.3	63.6	. •				1		98.8			98.8		98.8
≥ 100	46.	44.6	54.3	63.6	78.6	83.8								98.8		98.8
	46.	48.6	59.3	63.6	78.6	-3.8		93.1	_	94.3				98.4		99.4
·	31	48.6			78.6	83.6		93.1			98.8			98.8		100.0
2 100	46.				78.6		1	1	- 1		98.8		1			
	700	7000	3703	E 3 . 0	70.0	-30E	0000	7301	7705	7003	70 . 5	75.5	75.0	70 0 5	78,8	4000

MANAGMEATHER SERVICE DETACHMENT ANHENCET NO

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JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u>n 6</u>

CEILING	VISIBILITY (STATUTE MILES)															
(PEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1% :	≥ 1%	≥ :	≥ 4,	≥ %	2 %	≥ 5/16	≥ %	≥ 0
NO CEILING	•	3.	4 .	5.7	7.1	8.5	10.3	10.6	10.4	11.0		11.0				11.3
≥ 20000	• 4.	• 4	7 • 1	• -	13.4	<del></del> -+	18.2	19.4	19.4							
≥ 18000	. • 4	6 . 4.	7.1	9 • 2	13.4	15.	18.0	19.4	19.4	1	19.8	19.8			19.8	20.1
≥ 14000	. 4	6 • 4	7.1	2 - 2	13.4	15.	15.	10.4	19.4	19.8	19.8				19.8	20.1
≥ 14000	- 4	7.	P • 8'	11.0	11.6	18 • 4	27.5		21.9					22.3	22.3	22.6
≥ 12000	. A	9	11.3	13.4	10.4	42.6			26.2		27.6	27.6	27.6	27.5	27.6	28.3
≥ 10000	. • a	10.6	13.8	15.9	_	i		32.2				34.6	34.6	34.6	34.6	35.3
≥ 9000		10.	13.5	15.0		26.9	29.7		32.5						34.6	
≥ 8000	14.7	12.7	10.6	1: • 7	26.5	70.4			36 • 4		;	38.9			38.9	39.6
_≥ 7000 }	1.	13.1	17.0	10.1	26.9	10.7	33.6	36.4	36.5	38.5	39.2	39.2	39.2	39.2	39.2	39.9
≥ 4000	13.	14.3	10.7	2 . 9	28.6	32.5	35.3	38.2	38.5	40.3	41.0	41.0	41.0	41.0	41.3	41.7
≥ 5000	14.5	15.0	19.8	22.3	37.7	35.0	38.2	41.3		43.5		44.2	44.2	44.2	44.2	44.9
≥ 4500	15.6	17.	21.2	23.7	32.5	27.1	42.1	45.6	45.0	47.7	48.8	48.8	47.8	48.8	48.8	49.5
≥ 4000	14.0€	10.0	22.3	2 t • 2	36.8	41.7	47.4	51.9	53.0	55.5	56.5	56.5	56.5	56.5	56.5	57.2
≥ 3500	13.4	20.7	25.1	30.0	41.7	47.	53.4	54.4	67.4	63.6	64.7	64.7	64.7	64.7	64.7	65.4
> 3000	1 - 6 2	21.2	2 . 4	31.5	44.5	49.8	56.5	63.6	65.7	68.9	70.0	70.3	72.3	70.3	70.3	71.6
≥ 2500		21.2	25.	31.8	45.6	50.9	58.0	65.7	67.8	71.	72.4	72.8	72.8	72.8	72.8	73.5
≥ 2000	2 .	22.3	26.2	3 9	46.6	52.3	59.7	67.5	69.6	72.5	74.2	74.6	74.6	74.6	74.6	75.3
≥ 1800	, r	22.5	27.2	33.2	47.7	53.4	60.8	48.9	71.0	74.2	75.6	76.0	76.0	76.0	76.0	76.7
≥ 1500	1.2	23.	27.6	33.6	48.8	54 . 3	62.5	71.0	73.5	76.7	70.1	78.8	78.0	78.8	79.2	79.9
≥ 1200	1.2	23.	27.6	33.6	49.1	56.2	64.7	73.9	77.	80.6	82.7	63.4	23.4	83.4	83.8	84.5
≥ 1000	1.2	23.0	27.5	33.6	47.5	56.5	65.4	76.7	79.9	84.5	86.6	87.3	97.6	87.6	88.0	98.7
≥ 100	1.2	23.C	27.6	33.6	49.8	56.9	65.7	77.0	80.2	84.8	86.9	87.6	88.0	88.0	88.3	89.1
≥ 800	1.2	23.0	27.6	33.6	50.2	57.2	66.6	78.1	82.7	87.6	90.5	91.5	91.9	91.9	92.2	93.3
≥ 700	1.2	23.0	27.6	33.0	50.9	58.3	68.2		64.4	89.4	92.2	93.6	94.0	94.0	94.4	95.4
≥ 600	1.2	23.G	27.6	33.6	51.6	59.0	69.3	81.3	A5.9	8.00	93.6	95.1	95.4	95.4	95.8	96.6
_ ≥ 500	1 . 2	23.3	27.0	33.9	51.9	59.4	69.6	81.6	86.6	91.9	95.1	96.5	96.8	36.8	97.2	98.2
≥ 400		23.7	1	34.3	52.3	59.7	70.0.	82.01	1	92.2	1	1		1	98.2	99.3
≥ 300	* mar aum *	23.7		34.3	52.7	60.1	70.3	72.7		92.9		97.9			98.9	100.0
≥ 200		23.7	28.3	34.3	52.7	60.1	70.3	92.7	- 1	92.9		97.9			1	100.0
				34.3	52.7	60.1	70.3		87.6		96.5	97.9				100.0
≥ 100	_	23.7			52.7	1	70.3			92.9		97.9				

TOTAL NUMBER OF DESERVATIONS 2 F 3

NAVA, WEATHER SERVICE DETACHMENT ASHEVILLE NO

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING		·	, ,				VISI	BILITY (ST	ATUTE MIL	ES)	<del></del>					
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 14	≥ 1	≥ 4	≥ 46	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	11.	9.6	2.7	1 .1	12	12.6	12.6	12.6	17.6	12.5	12.6	12.6	17.6	12.6	12.6	
≥ 18000 ≥ 16000	11.	13.3	15.1	16.2	21.2	22.7	22.7	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4	23.4
≥ 14000	1 . 3	13.5 14.9	17.3	18.7	23.7	25.2	25.5	26.6	26.6	26.6	26.6	26.6	26.6	23.4	26.6	25.4
≥ 12000	1 . 5	17.3 19.8	2 . 1	25.5	33.5	36.7	37.1	33.1	33.1	33.1	39.9	33.1	33.1	33.1	38.9	35.1
≥ 9000	1/• 6	19.	24.9	25.9	34.2	37.4	37.8	39.6	39.6	39.6	42.5	42.5	37.6	39.6	39.6	39.6
≥ 7000		72.3	25.2	27.7	36.7	39.9	41.0	43.2	43.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000 ≥ 5000	•	23.7	27.3	24.9	39.6	42.8	43.9	46.0	46.7	46.3	45.3	46.0	46.0	46.D	46.D	6.0
≥ 4500 ≥ 4000	23.7	24.5 25.7	30.9	31.7		43.2	46.0	48.6 51.6	48.6 51.8	48.6 51.8	52.2	48.9	52.2	52.2	52.2	52.2
≥ 3500 ≥ 3000	21.2	28.8 30.2	33.4	37.4	49.3 52.9	57.6	55.4	58.6	58.6	59 • U	59.4	59.4	30.4 65.5	59.4	59.4	59.4 65.5
≥ 2500 ≥ 2000	. 4	32.7	37.8	41.4	57.6	64.8	65.5	69.4	69.9 73.0	70.9	71.2	71.2	71.2	71.2	71.2	71.2
≥ 1800 ≥ 1500	31.7	34.5	39.6	43.2	60.1	t5.1	68.7	72.7	73.4	74.5	74.8 87.2	74.8	74.8 8D.2	74 . 8 8D . 2	74.8	74.8
≥ 1200	2.4	37.1	42.5.	46.4	66.2	71.6	76.3	81.3	ë?•0	84.2	85.3	A5.3	8D.Z	85.3	65.3	85.3
≥ 1000 ≥ 900	2.4	$\frac{37 \cdot 1}{37 \cdot 1}$	42.5	46.8	67.6	73.4	79.5	84.5	85.3 65.3	88.1	89.2	89.2 89.2	89.2	89.2	89.2	89.2
≥ 800 ≥ 700	3.1	37.8	43.2	47.5	70.1	76.6	83.1	P8.1	87.9		95.0	95.0	95.0	95.0	95.0	99.6
≥ 400	3.1	37.8	43.2	47.5	70.5	77.7	84.2	9.2	91.4		96.8	96.8		96.8	96.8	
2 400	3 · 1,	37.8	43.2	47.5	70.9	77.7	84.5	91.7	93.9	98.2	130.01	00.0	0.02	100.0	100.0	100.0
≥ 300 ≥ 300	3.1	37.8	43.2	47.5	73.9	77.7	84.5	90.7	93.9	98.2	10.01	00.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	3.1 3.1	37.8 37.5		47.5	70.9	77.7	84.5	90.7 90.7	- :	98.2		- ,				

TOTAL NUMBER OF OBSERVATIONS

278

NAVA, WEATHER SERVICE DETACHMENT, ASHEVILLE, NO.

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
(PEET:	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 2%	≥ 2	≥ 1%	≥ 114	≥1	≥ ६	≥ %	≥ %	≥ 5/16	≥ '* :	≥ 0
NO CEILING ≥ 20000		11.1	11.5	11.8	11	12.1	12.1	12.1	12.1		12.1	12.1	17.1	12.1	12.1	12.
≥ 18000	7	19.4	21.5	23.2	24.4	24.9		25.3 26.0	25.6		25.6	25.6	25.6 26.3	25.6	25.6	25.0
≥ 16000	1.7	15.7	21.5	23.2	25.6	25 • 6		76.3	26.3	25.3	25.3	26.3	26.3	26.3	26.3	26.
≥ 14000 ≥ 12000	1 1 1 2	21.5 25.6	23.2	34.5	23.7	28.4	28.4	29.4 34.3	28.7		28.7	28.7	28.7 34.6	28.7	28.7	28.°
≥ 10000	, ,		30.5		37.7	37.7	38.1	30.1	39.4	38.4	38 . 4	36.4		38.4	38.4	38
≥ 9000	./५ - च <del>च च भ</del>		31.5 33.0	34.6	30 • 1 43 • 3	39.1		39.5	39.8 43.9		39.8			39.8	39.5	39.1
≥ 8000 ≥ 7000	. 7.3	30.1	34.3	_	43.9	44 . 3	44.6			45.0			:		45.C	45.
≥ 4000	• 3			38.4		1	45.3		46.7		46.0	46.3	46.0	46.7	46.3	46.
≥ 5000 ≥ 4500	4.	33.2	37.4		49.1	47.8	48.1		50.5	50.5	50.5	50.5	50.5	50.5	50.5°	50.
≥ 4000	7.2	35.6	4 .1	44.6	54.3	د5.3	55.4	55.4	56.1		56.1				56.1	56.
≥ 3500 > 3000	73. 25.	37.1	41.9	47.4 52	53.1	59.2	5 • 2 66• 4	60 • 2	67.8		66.2	68.2			60.9	63.1
≥ 2500	17.4	42.6	41.1	55.4	69.6	71.6	73.7	73.7	75.1		75.4	75.4	75.4	75.4	75.4	75.
≥ 2000	7	45.0	57.0	58.1	73.0	75 • 1 75 • 1	77.5	77.5	79.9	79.6	79.6	79.2	79.6	79.6	79.2	79.
≥ 1800 ≥ 1500	-0.1	45.7	51.6	57.5	76.5	78.9	82.4	52.4	83.7	84.4	34.4	84.4	84.4	84.4	84.4	84
≥ 1200 > 1000	41.	47.4	53.3	61.3	78.2	03.4	85.1	^5 • 8 89 • 3	37.2		88.6	88.6	88.6	88.6	88.6	88.6
≥ 900	~2.6	44.1	54.	61.0	79.6	93.7		99.6		91.7	92.4			92.4	92.4	
≥ 900	~ ? • <b>5</b>	4 7 . 1	54.0	61.5	87.3	4.4	89.6	91.4		94.8					95.2	95.
≥ 700 ≥ 400	-12.6°	45.1	54.	61.9	80.6	25.5 *5.8		;		96.2		96.5	96 • 5 98 • 3	;	96.5	
≥ 500	2.6	44.1	54.	61.9	80.6	36.2	91.7	04.1	96.2	99.0	99.7	99.7	99.7	99.7	99.7	99.
≥ 400	2.6	42.1	54.7	61.9	87.6	36.2	91.7							100.0		
≥ 300 ≥ 200	2.6	48.1		61.9			91.7			- 1	1			100.0		
≥ 100 ≥ 0			54.7	61.9										100.0		

STAL NUMBER OF OBSERVATIONS 285

DIRNAVOCEANMET SMOS

NAVAL MEATHERCIEN IN ELECTACHMICAL A HEVILLE NO

# **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

CEILING			-				VIS	IBILITY (ST	ATUTE MILI	ES)						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ 11/3	≥ 1%	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING	1 • •	13.4	1 - 1	1 4 1	15.8	15.8	15.9	15.8	15.8	15.3	15.8	15.8	15.5	15.8	15.8	15.4
≥ 20000	- 5	33.₹	3 . 9	72.4	34.4	75.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.4	35.1	35.1
≥ 18000	7.7	28.4	31.3	32.3	34.7	35.4	35.4	35.4	35.4	35 • 4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 16000	27.	30.04	31.3	32.3	34 . 7	25.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 14000	3 4 6 5	30.0	33.3	34.4	37.1	77.3	37.8	27.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 12000	34.3	76.4	37.5	40.7	44.3	45.3	45.7	45.0	45.7	45.A	45.7	45.3	45.0	45.0	45.0	45.7
≥ 10000	5 1 • 1	40	44.7	4 t . 7	50.5	51.2	51.6	11.6	51.6	51.6	51.5	51.6	51.6	51.6	51.6	51.6
≥ 9000	10.1	40.	44.7	40.7	50.5	51.2	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 9000	₹	42.0	46.7	49.1	53.3	54 . D	54.3	54.6	54.6	54.6	54.5	54.6	54.6	54.6	54.6	54.6
≥ 7000	** • O	43.3	47.4	49.5	54.0	54 . 6	55.0	55.3	55 <u>.</u> 3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 4000	4 🕌	43.5	47.8	5 1 . 2	54.5	55.3	55.7	56 . D	55 . C	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 5000	3.7	45.4	5 . 5	53.3	57.7	58 . 4	58.8	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 4500	14.0	47.1	52.2	55.7	6 . 8	61.9	62.2	62.9	62.9	62.9	62.9	62.9	67.9	52.9	62.9	67.9
≥ 4000	45.7	44.5	55 . D	50.8	64.6	65.6	66.3	67.D	67.0	67.0	67 . C	67.0	67.0	67.0	67.0	67.0
≥ 3500	47.4	51.2	56.7	51.2	67.7	49.4	77.1	70.8	70.8	73.8	70.8	70.8	70.8	77.8	70.8	70.8
≥ 3000	4	T2.6	58.4	63.2	71.8	73.5	74.2	74 . 9	74.9	74.9	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	• ?	4 . 3	67.	6 .6	74.6	76.6	77.3	78.4	78.4	79.4	78.7	78.7	73.7	78.7	78.7	78.7
≥ 2000	1.	56.	62.2	67.4	79.0	50.8	61.3	82.8	83.2	33.2	83.5	93.5	83.5	83.5	83.5	P3.5
≥ 1800	11.	56	62.2	67.7	78.7	81.4	82.5	93.5	83.0	83.9	84.2	84.2	84.2	P4 . 2	84.2	84.2
≥ 1500	4 . 1	F8.1	6	70.5	81.4	F4 . 2	85.6	76.9	87.3	87.6	88.0	83.0	88.0	88.0	88.3	88.3
≥ 1200	4 . 3	58 . 4	65.3	7 8	62.5	15.9	37.6	89.4	91.0	90.4	97.7	90.7	93.7	90.7	30.7	90.7
≥ 1000	15.7	50.1	66.D	71.5	84 . 5	8.0	90.0	02.1	93.8	94.2	94.5	94.5	94.5	94.5	94.5	94.5
≥ 100	5.0	59.1	66.C	71.5	84.5	98.D	93.4	92.4	94.2	94.5	94.9	94.9	94.9	94.9	94.9	94.9
≥ 800	5.7	59.1	66 . D	71.5	84.9	88.7	91.1	93.5	95.5	96.6	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	` <b>₹</b> \$•7	3.1	66.0	71.5	94.9	88.7	91.1	73.5	95.9	96.9	97.6	97.6	97.6	97.6	97.6	97.6
≥ 400	.5 . ]	59 • 1;	66.0	71.5	85.2	89.0	91.4	93.8	96.2	97.6	98.3	98.3	98.3	98.3	98.3	98.1
≥ 500	5.0	59.1	56.0	71.5	85.7	89.0	92.1	94.9	97.3	93.6	99.3	99.7	99.7	99.7	99.7	99.7
≥ 400	.5.3	59.5	66.3	71.8	85.6	29.4	92.4	95.2	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 300	5.3	4.5	66.3	71.8	85.6	99.4	92.4	95.2	97.6	99.	99.7	100.0	100.0	100.0	100.0	100.0
≥ 200	15.3	59.5	66.3	71.8	85.6	89.4	92.4	95.2	97.6	99.0	99.7	100.0	100.0	100.0	100.0	100.0
≥ 100	5.3	59.5	66.3	71.8	65.6	29.4	92.4	05.2						120.0		
2 0	-			- 1	;			- 1						100.0		

TOTAL NUMBER OF OBSERVATIONS 291

DIRNAVOCEANMET SMOS

.. #

75-22 PEARS - PARS - PEARS - P

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	ATUTE MIL	ES)						
(PEET:	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 114	≥ 1%	≥ :	≥ %	≥ %	≥ %	≥ 5/16	≥	≥ 0
NO CEILING	17.	11.	1 . 5	12.	13.9	13.9	_	14.3	14.3	14.5	14.3	14.3	14.3	14.3	14.3	14.3
≥ 20000	1.3	23.3	2 • 1	25.4	27.7	27.5		76.2	20.2	24.2		28.2			72.2	
≥ 18000	1 • 5	53.0	2 1	2 4	27.0	.7.7		2 2 2	20.2	28.2		28.2	20.2	28.2	28.2	
≥ 16000	1	23.0	2:1	- 4	27.0	<u> </u>	28.2	Z	25.2	2H . 2	20.2	28.2	7: • 2	28.2	29.2	28.2
≥ .4000	· • ^	• 1	2 . 9	30.3	32.1	72.1	32.4	72.4	32.4	32.4	32.4		32.4	32.4	32.4	32.4
≥ 12000	7 •	_ · • · <u> </u>	3	1	35.7	35.9		36.2	36.2	36.2					36.2	36.2
≥ 10000	• 1	540.	37.6	78.3		41.9		1		42.9				2	42.9	42.9
≥ 9000		34.5	30.				42.9		<del></del>		43.2				43.2	43.2
≥ 9000	• 5	75 • 1		42.9		48.1			49.1				49.1	49.1	49.1	49.1
≥ 7000	• 6	76.	42.5	43.7	49.1		40.8				50.2		50.2		50.2	50.4
≥ 6000		40.4					51.2	51.6		51.6	51.6		51.6	51.6	51.6	51.6
≥ 5000	•	45.	47.7	49.5	55.1	5.1	55.8	56.1	50.1	56.1	56.1	56.1	56.1	56.1	20.1	56.1
≥ 4500	• 7 • 5	46.3	49.8	52.6	58.5	59.6		60.6	50.5	63.6		60.6	67.6	60.6	63.6	60.6
≥ 4000	4	0.	54.7	53.2	65.5	66.9		67.9	67.0	67.5	67.0	67.9	67.9	67.9	67.9	67.9
≥ 3500	• • 7	1.2	55.	5.6	67.3	59.0		71.1	71.1		71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	* •	3.3	5 ? • 8	65.0	71.4	74.5	76.0	76.7	77.0	77.0	77.4	77.4	77.4	77.4	77.4	77.4
≥ 2500	· ·	65.4	6' • '	64.5	73.9	77.	78.4	79.1	79.4	79.4		79.8	74.8	79.8	79.8	79.8
≥ 2000	٠ . ا	56.5	61 • 3	46.6	76.	79 . 4	81.2	<u> </u>	82.6	8 5 • 6	M7.9	82.7	8.5.8	82.5	82.9	82.9
≥ 1800	7.	56.5	61.3	16.6	76.	79 . 4	81.2	32.2	32.5	32.5	R2.9	82.9	37.9	82.9	82.9	82.9
≥ 1500	4.7	5.7 <u>.5</u>	62.4	57.9	78.1	21.4	84.	<b>વ5</b> • હ્યુ	85.4	85.4	95.7	85.7	85.7	85.7	85.7	85.7
≥ 1200	4. 4	57.8	62.7	69.3	79.1	65.3	85.0	04.4		87.1	87.5	87.5				87.5
≥ 1000	5 • 1.	8 • 5	63.8	<u>69 • 3</u>	81.5	6.1	88.9	4C • P	91.3	92.5		92.3		92.3	92.3	92.3
≥ 900	* • 1	58.1	6 . 8	69.3	c 1 . 5	6 . 4	89.2	90.9	91.6	92.3	- 1			93.0	93.0	93.0
≥ 900	5 • 1	58.5	67.8	64.3	81.5	66.4	89.2	12.0	93.4	94.4			96.2	96.2	96.2	96.2
≥ 700	5 • 1	58.5	64.1	69.7	81.9	57.1	90.2	93.0	74.4	95.8	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	5 • 1	58.5	64.1	69.7	81.7	87.1	90.2	93.0	74.4	96.2	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	5.1	8.	64.1	69.7	81.9	87.1	90.6	93.7	95.1	97.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	5.1	58.5	64.1	64.7	82.2	97.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	3.1	58 . 5	64.1	69.7	82.2	£7.5	91.3	94.4	95.8	97.9	וס.חבו	100.0	100.0	100.G	10.0	100.0
≥ 200	15.1	58.5	64.1	69.7	82.2	\$7.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	5.1	8.5	64.1	69.7	87.2	47.5	91.3	94.4	95.8	97.9	100.0	10.0	100.0	100.0	100.0	100.0
≥ 0	5 • 1	58.5	64.1	69.7	82.2	#7.5	91.3	94.4	95.8	97.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 2.7.7

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING FEET 2 23 2 . 2 . 2 **2** ) 21 16.5 11.5 10.6 10.6 NO CEILING 1 - 5 1 - 7 15.0 ≥ 30000 . 4 . C. 34 . C. 4.2 24.1 June 2 24.2 `**u** . > . . . ` **b** . 5 4. ≥ 18000 ≥ 16000 ٠. ٤ 2 .6 ≥ 14000 ≥ 13000 10.5 36 . 3 47.5 47.5 41.4 ≥ 10000 ≥ 9000 2.4.47.9 500 ≥ 8000 ≥ 7000 72.8 53.7 53.4 57.8 53.8 17.3 53.6 \$3.8 - 1 53.6 ≥ 6000 57.8 TH.1 5000 SP . 5 "0 . 5 61.3 cl. 6 61.6 61.6 61.6 ol.6 4500 7.1 67.2 47.2 69.6 69.6 69.6 69.6 69.6 4000 77.5 77.0 73.4 73.4 73.4 73.4 77.2 78.9 79.2 79.2 79.2 77.2 77.2 79.2 74.7 41.6 52.7 53.4 8 4 83.4 83.4 67.4 67.4 53.4 53.4 3000 77.6 · 67 · 4 · 4 · 55 · 1 · 1 85.1 85.1 2000 4.4 85.1 45.1 67.4 1800 84.8 47.2 37. . . 9 37.9 87. ₹ 27.0 2.7 ne.6 89.3 89.6 91.0 97.; 77.; 86.2 1.6 24.2 92.0 92.7 93.1 93.4 95.4 1000 41.7 93.4 93.8 94.1 72.4 94.1 R4.6 900 800 50.1 91.0 95.5 96.2 96.5 97. 700 600 32.4 76.2 97.9 98.6 99. 13.2 74. 7 99. 3 99. 7 91.4 76.2 900 400 26.2 94.3 99.3 99.7 99.7 99.7 99.7 91.4 48.6 91.7 96.5 98.6 99.71 9.0133.3177 300 200 ละ.6 91.7 96.5 งค.6 99.71 การกำรักองเกาการของเกิดเลียกเลี้ยกเลื่องเกิดเลี้ยกเลื่องเกิดเลื่องเกิดเลื่องเกิดเลื่ ละ.6 91.7 96.5 98.6 99.71กร.ศึการเกิดเลื่องการกำรับการที่เกิดเลื่องเกิดเลี้ยงเกิดเลื่องเกิดเลื่องเกิดเลี้ยงเกิดเลื่องเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ยงเกิดเลี้ย 67.6 61.5

TOTAL NUMBER OF DESERVATIONS

52.6 + - - 5 97.7 48.4 91.7 26.5 20.6 99.7100.0100.0100.0100.4100.0100.0

. 9

MANA, MEATHER DEPONDE DETACHMENT ASHEVILLE NO

# **CEILING VERSUS VISIBILITY**

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS:	BILITY (ST	ATUTE MIL	ES:						i
(FEET-	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 4	≥ %	≥ 5/16	≥	≥ 0
NO CEILING		11.4	12.4	13.1	14.4	14.7	15.1	15.2	15.7	15.3	15.3	15.3	15.3	15.3	15.3	15.4
≥ 20000	. 1.5	18.7	20.4	22.3	25.5	76.1	26.7	27.0	27.1	27.2	27.2	27.2	27.2	27.2	27.2	27.3
≥ 1 <b>8</b> 000	11.6	10.8	2 . 6	22.4	25.6	-6.3	26.9	77.1	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 16000	1 . 6	11.5	2 •	72.4	25.6	6.3	25.7	27.1	27.3	27.4	27.4	27.4	27.4	27.4	27.4	27.4
≥ 14000	1	- 2 - 3 T	22.4	24.3	27.8	78.6	29.2	29.6	29.7	29.8	29.6	29.5	29.8	29.8	25.8	29.9
≥ 12000	2.	79.5	27.1	29.3	33.A	34 - 7	35.5	76.7	36.1	36.3	36.4	36.4	36 . 4	36.4	36.4	36.5
≥ 10000		28.5	31.7	34.6	39.6	41	42.0	42.8	43.0	43.2	43.3	43.3	43.3	43.5	43.3	43.4
≥ 9000	7.4	29.2	32.7	35.4	47.6	42.0	43.0	43.9	44.7	44.2	44.3	44.3	44.3	44.3	44.3	44.4
≥ 2000	J . 1	2.0	35.7	38.9	44.9	46.3	47.4	48.3	42.5	48.8	48.9	48.9	45.9	48.9	46,0	49.7
≥ 7000	• 4	12.5	36.3	39.4	45.5	47.	48.1	49.0	49.2	49.5	49.6	49.6	49.6	49.6	49.6	49.7
> 4000	1.4	33.4	37.2	4 3	46.4	47.7	49.1	50.0	50.2	50.5	50.5	50.6	57.6	50.6	50.6	50.7
≥ 5000	3.3	75.5	3 7 . 5	42.0	49.6	41.2	52.4	53.4	53.6	53.9	54.0	54.0	54.0	54.0	54.0	54.1
≥ 4500	30.4	36.8	41.1	44.5	52.5	53.9	55.4	56.5	56.7	57.0	57.2	57.2	57.2	57.2	57.2	57.3
≥ 4000	17.7	∵°• 3	44.2	4 . 5	57.3	59.4	61.2	62.7	63.7	63.5	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3500	់ជ	41.7	44.3	51.2	61.0	53.6	65.8	67.7	69.1	66.7	68.9	68.9	69.9	68.9	68.9	69.5
> 3000		43.3	4 1.0	.3.3	64.7	67.7	70.2	72.7	73.3	74.1	74.4	74.5	74.5	74.5	74.5	74 . 6
≥ 2900	41.	45.1	55.1	55.6	67.7	70.8	73.6	76.2	76.9	77.8	79.1	78.1	78.1	78.1	78.1	79.2
≥ 2000	42.	46.3	51.4	57.1	69.8	73.1	76.2	78 . 8	79.6	30.5	80.5	80.9	80.9	60.0	80.9	81.0
≥ 1800	.3.	46.4	51.5	57.2	77.C	73.4	76.5	79.2	00.1	80.9	81.2	81.3	81.3	81.3	81.3	81.4
≥ 1500	43.7	47.4	52.6	58.5	72.4	76 . 0	79.5	82.5	€3.4	84.4	84.8	84.9	84.9	84.9	84.9	85.0
≥ 1200	4.5	47.8	5 3.2	57.2	73.6	77.8	81.6	35.0	86.1	87.4	83.1	88.2	88.2	98.2	88.2	88.3
≥ 1000	.4.6	48.1	53.6	5 1.6	74.9	79.6	84.1	88.2	89.5	91.2	91.9	92.0	92.1	92.1	92.1	92.2
≥ 900	44.6	43.1	53.6	50.6	74.7	79.8	84.3	88.4	89.8	91.5	92.2	92.3	92.4	92.4	92.4	92.5
≥ 800	44.7	48.3	53.8	59.8	75.6	53.7	85.5	90.0	91.8	94.0	95.1	95.3	95.3	95.3	95.4	95.5
≥ 700	1 4 4 a 7	48.3	53.7	50.9	75.9	81.2	86.2	90.7	92.7	95.0	96.1	96.3	96.4	96.4	96.4	96.6
≥ 400	+4.7	48.3	51.9	54.9	76 . 1	71.6	86.7	01.4	93.7	96.1	97.4	97.6	97.6	97.6	97.7	97.8
≥ 300	44.7	48.4	54.	€0.E	76.3	81.8	37.1	92.1	94.5	97.3	98.7	98.9	99.0	99.0	99.0	99.2
≥ 400	44.	48.6	54.1	60.2	76.5	82.1	87.4		95.3	97.8	99.2	99.5	99.5	99.5	99.6	99.8
≥ 300	44	48.6	54.1	61.2	76.6	A2.2	87.5	92.6	95.2	98.0	99.4	99.6	99.7	99.7	99.8	99.9
≥ 200		48.6	54.1	6 2	76.6	32.2	67.5	92.6	95.2	98.0	99.4	99.6	99.7	99.7	99.8	100.0
 ≥ 100	4.7	43.6	54.1	50.2	76.6	82.2	87.5	92.6	95.2	98.1	99.4	99.6	99.7	99.7	99.8	100.0
2 0	44.3	48.6	54.1	60.2	76.6	82.2	87.5	92.6	95.2	98.4	99.4	99.6	99.7	99.7	99.8	100.q

TOTAL NUMBER OF OBSERVATIONS 2753

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17-31

JUL

VISIBILITY (STATUTE MILES) CEILING FEET \_ ≥2 - ≥1% - ≥1%; ≥1 24.4 24.4 24.4 24.4 24.4 24.4 24.4 24.m NO CEILING . . 21. / 2..2 23.3 24.4 7.3 23.4 3 1. 32.4 33.5 33.5 34.1 35.7 35.2 35.2 35.2 27.1 24.4 7 1. 37.4 73.5 33.5 34.1 35.7 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 35.2 ≥ 20000 ≥ 18000 ≥ 16000 23.5 33.5 74.1 35.7 35.2 35.2 35.2 35.2 35.3 35.3 36.4 36.9 36.1 36.1 36.1 36.1 36.1 25.2 35.2 35.2 35.2 36.1 36.1 36.1 36.1  $\frac{3}{2} \cdot \frac{1}{4} \cdot \frac{32}{34} \cdot \frac{4}{7}$ ≥ 14000 ≥ 12000 73.5 3 . 9 37.5 39.8 40.9 41.5 42.1 43.2 43.2 43.2 43.2 47.2 43.2 43.2 43.2 43.1 51.1 51.1 51.1 51.1 ≥ 10000 ≥ 9000 29.2 47.1 44.2 47.2 46.9 50.0 51.1 52.3 52.3 57.3 52.3 57.3 52.3 57.3 52.3 52.3 52.3 41.5 46.0 1 ... 9 52.3 44.6 55.7 56.8 58.7 58.0 58.0 58.1 52.0 58.1 56.0 58.1 ≥ 8000 ≥ 7000 41.3 46.4 43.9 52.1 4.6 55.7 56.8 53.7 53.4 54.0 58.0 58.0 58.1 58.1 58.1 58.1 42.1 44.6 5 .4 57.4 55.7 56.8 58.0 59.1 57.1 59.1 59.1 59.1 59.1 59.1 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 43.3 57.4 57.4 63.6 67.1 68.3 71.5 72.7 72.7 73.3 73.3 ≥ 3500 ≥ 3000 50.6 50.3 (0.2 67.1 51.7 56.7 43.5 69.3 77.8 79.6 > 2500 2000 57.3 54.5 64.2 73.3 76.7 79.6 63.5 24.7 84.7 85.2 65.2 65.2 35.2 6.7 79.6 93.5 E4.7 34.7 85.2 52.3 54.5 64.2 73. 1800 3.4 59.7 65.9 76.7 80.1 83.0 46.9 58.1 88.1 88.6 88.6 88.6 88.6 88.6 77.3 (1.3 64.1 88.6 87.8 89.8 90.3 90.3 90.3 90.3 90.3 1500 76.7 59.7 65.9 1200 53.4 59.7 65.9 77.6 1000 11.8 86.4 11.5 92.6 93.2 93.8 93.8 93.8 93.9 93.8 U. 6 53. 4 56. 7 65. 9 77. 8 F1. 8 86. 4 01. 5 92. 6 93. 2 93. 4 93. 6 93. 8 93. 6 > 54.0 60.2 60.5 77.0 53.1 87.5 92.6 94.9 95.5 96.0 4.0 60.2 56.5 79.6 64.1 88.6 94.7 96.6 97.2 97.7 96. y 96. y 96. y 96. n 96. y 97.7 700 10.5 79.6 34.1 88.6 74.3 96.6 97.2 47.7 97.7 97.7 97.7 97.7 97.7 97.7 4.0 60.2 4.160.2 16.5 79.6 [4.1 88.6 04.3 96.6 97.7 98.3 98.3 98.3 98.3 98.3 98.3 500 400 66.2 56.5 79.6 44.1 83.6 94.9 97.7 94.3 98.9 98.9 6.2 66.5 79.6 84.1 88.5 94.9 97.7 98.3 98.9 99.9 98.9 1.1 54. 67.2 66.5 79.6 P4.1 58.6 94.9 97.2 98.8 99.9 98.9 99.4100.0100.0100.0 100 :4.d 60.7 66.5 79.6 34.1 88.6 94.9 97.2 98.3 98.9 98.9 99.4100.0100.d100.d

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

MALAL WEATHER E

NAVA, WEATHER SERVICE DETACHMENT ACHEVILLE NO.

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST.	ATUTE MILI	ES)						
FEET	≥ 10	≥ 6	≥ 5	٤.	≥ 3	≥ 21/3	≥ 2	≥ 11 <sub>9</sub>	≥ 1%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	13.	14.6	2:4	16.4	17.5	17.3	28.1	15.7	19.3	19.3	29.8		29.8		19.9	19.3
≥ 18000 ≥ 16000		1.1	27.4	हर्दे । 24 • ३	26.7	76.9	23.1		27.2		29.5	29.8 29.8	20.8		79.8 29.8	29.8
≥ 14000 ≥ 12000		22.2	24.6	2 2	28.1	28.1	2°.2	29.B	37.4	33.4	31.1	31.1	31.7	31.0	31.0	31.0
≥ 10000	3.4		35.7	36.3		42.1		43.		45.0			45.6	45.6	45.6	45.6
≥ 9000 ≥ 8000	0.4 5.∓3	$\frac{32 \cdot 3}{35 \cdot 1}$	3' .2	30.0		48.0	45.D	50.3	51.5		52.1	52.1	52.1	52.1	47.4 52.1	52.1
≥ 7000 ≥ a000	3.3	35 · 1	3 . 3	43.9 41.5	47.4		49.7		52.1		52.6	52.6	52.6	52.6	52.6	52.4
≥ 5000 ≥ 4500	35.7	78 • D 79 • V		43.5	50.9 56.7		53.2	55.0 62.0	55 • 1 63 • 2	56.1	56.7	56.7 64.3	54.3	56.7	56.7	56.7
≥ 4000 ≥ 3500		43.3	- · · · -		63.7			67.8	59.7 70.8	69.6	70.2		70.2		79.2	70.2 71.9
≥ 3000 ≥ 2500	42.	45.	51.5	55.7	67.3	70.0	71.4	73.7	74.9	75 • 4	76.0	76.0	76.0 77.8	76.0 77.6	76.0	76.5
≥ 2000 ≥ 1800	42.7	45.0 45.0	51.5	53.5	71.2	72.5 72.5	75.4	77.8	$\frac{2}{8}$	3 . 7	81.3	81.3	°1.3	81.3	81.3	51.3 E1.3
≥ 1500	3	46.2	52.6	5 7 60.2	73.7	77.2	79.5	53.0	65.4	86.0	86.6	86.6	36.6	86.6	86.6	86.5
≥ 1700 ≥ 1000	4 4	47.4	53.8	61.4	76.6	FO . 1	84.8	89.5	91.8	92.4	93.0	93.0	°3.0	93.7	93.0	93.3
≥ 900 ≥ 800	4 4	47.4	54.4	62.0	77.2	89.7	85.4	96	93.6	94.2	94.7	94.7	94.7	94.7	94.7	94.7
≥ 700 ≥ 400	.4.4	47.4	54.4	62.0	77.2	9U.7	66.6	91.8	94.7		95.9	95.9	95.9	95.9	95.3	95.9
≥ 500 ≥ 400	.4.4	47.4	54.4	62.C	77.2	81.3 °1.3	67.1	92.4	95.3		97.1	96.5 97.1	97.7	97.7	96.5	97.7
≥ 300 ≥ 200	54.4			62.0		81.3 *1.3	87.1	92.4	95.3	96.5	97.1	97.7	98.8	100.0	100.g	00.0
≥ 100 ≥ 0	-	47.4	1	62.		1.3 1.3								100.00		

TOTAL NUMBER OF OBSERVATIONS 17

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	SILITY (STA	TUTE MILE	(5)						
FEET	≥ 10	ه خ	≥ 5	≥ 4	≥ 3	≥ 2'5	≥ 2	ביו ≤	≥ 11.	≥ 1	≥ 4.	≥ *	≥ %	≥ 5-16	≥ .	≥ 0
NO CEILING ≥ 20000	7 • 1 • 1	11.3	1	11.5	21.7		17.7		20.4 2.0		37 • 5 31 • 9	23.7	2 ° • 0		23.7 32.1	73.7 32.8
≥ 18000 ≥ 16000		11.2	13.5	14.8 14.2	21.1	1.5		27.4	20.7 23.7	70.7 37	32.1	32.4	32.4	32.4 32.4	32.4	33.1
≥ 14000 ≥ 12000	1.5	13.2	14.3	1,.5	23 • G		25.7 28.7	2 - 1 37 • 4	33.4 33.5	32.4	37.9 37.8	34.5 35.5	34 .5	34.5 38.5	34.5 38.5	35.1
≥ 10000 ≥ 9000		15.2 15.5	1 . 5	1 7 . 3	2 • 4 79 • 1	>9.4 `0.1 <sub>j</sub>	31.6		37.8		41.4	42.6	4 .4	42.6 43.2	42.5	42.2
≥ 8000 ≥ 7000	1 • ¿! 2 • 2	10.9 10.₹	2 .5	71.5 21.6	31.3 31.8	3.1	35.2 36.2	40.5i 40.5	42.3	-	47.3		1°. °4 D•2£.	48.7	49.7	40.7
≥ 6000 ≥ 5000	•	17.4	21.3 22.5	24.		36.5	39.5	44.3	43.2 45.7	49.0	51.4	40.0	47.J	49.7 22.0	40.0 52.7	49.7 57.7
≥ 4500 ≥ 4000		15.4	27.7	21.1	3° • 2	5 : • 2 5 <b>2 •</b> 3	43.2	1 1 4	51.3 53.7	55.7	55.4 57.1	5 % • 1 6 · • 1	55.1 62.1	56.1 60.1	56•1 .60•1.	50.3
≥ 3500 ≥ 3000	• ^	72.3 72.6	27.0	79.7 70.4	45.0 45. <u>3</u>	45.3	57.0 53.1	55.7 53.9	59.1 62.5	65.8	68.9	69.9	65.5 72.3	65.5 ∑.∑.∑.	65.5 77.5	71.0
≥ 1500 ≥ 2000	• "	72.v	27.0 2.0	7.3 • 4 71 • 4	45.6	19.3	57.4	5 ( • 5 5 <u>3 • 2</u> ,	63.7 57.6.	71.0	74.3	72.00 75.7	79.3 76.5	72.5 70.6	72.3	77.7
≥ 1800 ≥ 1500	• •	73.7	Z2• 4. •4•	71.4 . <u>1</u> 4.4	4 - 7	52.7 54.7	59.8.		70.9	•	•	75.4	76.7 27.1	76.7 50.1	76.7 30.1	77.4
≥ 1200 ≥ 1000	•	74 • ∶ 74 • ⊙	2 . 7	32.4	5 . 3	56.4	67.2		75.13 75.7		T - 7 •	26.5	7 1 . H	51.45 36.44	61.8 86.8	82 · · · · · · · · · · · · · · · · · · ·
≥ 900 ≥ 800		24.7	25.4	13.5	51.7 52.11	38.1	52.5 64.2 64.5	72.3	77.4		86.2 25.9 89.9	9 .5	47.8 47.9	90 • Y	93.9 93.9	- 7
> 700 > 600		4	2 - 4	33.8	52.0	18 . 5	65.9	73.0	70.4	24.3		93.5	74 • 3 74 • 3	94.3	94.3 96.3	94.9
≥ 500 ≥ 400	3	75.	$\frac{2}{2}$	34.1	52.7	50.3	66.5	75 . 9	17.4	37.8	94.9	96.6	97.3 98.0	97.6		C 6 . 7
≥ 300 ≥ 200	· · · · ·		2 . 7	74.1	57.7	49.9	67.2	75.3	F . 7	88.2		97.3	<b>0</b>	98.3	98.7	97.7
≥ 100 ≥ 0			1					- 1				- 1		98.3		

TOTAL NUMBER OF OBSERVATIONS

DIRMAYOCEANMET SMOS

MAGAL WEATHER SERVICE DETACHMENT ASHEVILLE INC.

### **CEILING VERSUS VISIBILITY**

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77-37 YEARS

7.9

CEILING					<del></del>		VISI	BILITY (ST	TUTE MILI	ES)						
:FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 14 <sub>3</sub>	≥ 114	≥ 1	2 %	≥ %	2 %	≥ 5/16	≥ %	≥ 0
NO CEILING		11.4	17.5	13.5	17.7	1			1			20.4		20.4		
≥ 20000		18.1	2 3	21.8 21.8						31.1						
≥ 18000 > 16000	15.		2 * A				30.1					31.1		31.1		7
ļ <sup>-</sup>		18.7		22.8						31.1			31.1		31.1	
≥ 14000 ≥ 12000										33.5		33.6	1		33.6	7
F .	10.3	72 • 2	25.3	20.0						37.7					<u> 37.7</u>	37.7
≥ 10000 ≥ 9000	10.			28.0	- 1		-			42.9	- 1			42.9	42.9	42.9
·	72.	24.6	7							46.4			46.4	96.4	46.4	46.4
≥ 9000 ≥ 7000	2. :	24.6	20	29.3				1	T I				46.4	46.4	46.8	46.4
≥ 6000	2	24.6	200							47.4				47.4	47.4	47.4
≥ 5000 ≥ 5000	26.2	26.3	27.8				48.4		,	49.8	i	49.8	40 R	HO.A	40.8	
> 4500	24	37.7	3. 5	32.2			50.2					51.6	1.6	51.6	51.6	51.6
≥ 4000	3	27.7	31.1		47.1	- 1	52.0		:	54.7	54.7	54.7	54.7	59.7	54.7	54.7
> 1500		26.7	32.2		47.1		55.7		57.4			58.1	58.1	58.1	58.1	58.1
> 3000	97.0	79.0	33.6	36.7	52.3	1	60.6		63.3		64.0	64.3	64.0	64.0	64.0	64 . 3
≥ 2500	71. j	10.0	3.0	36.1	55.0	58.1	64.4	66 . 1	67.5	65.2	58.2	68.2	68.2	68.2	68.2	68.2
≥ 2000	1	33.5	3 .4	42.6	60.6	64.0	70.6	72.7	74.7	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 1800	• 1	33.6	3 4	42.0	60.0	14 . 4	70.9	73.0	75.1	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 1500	1.1	35	40.1	45.0	64.0	67.5	75.1			80.6	00.6	6.03	90.6	80.6	60.6	30.6
≥ 1200	2.	36.7	41.9	46.7	66.8	76.2	77.9	9. 6	83.4	84.1	64.1	84.1	84.1	84.1	84.1	84.1
≥ 1000	73.5	37.7	47.9	47.8	68.2	71.6	79.9	83.4	86.5	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 900	3.	37.7	42.7	47.8	68.2	71.6	79.9	84.4	87.9	89.6	89.6	89.6	89.6	87.6	89.6	89.6
≥ \$00	33.	78 . 4.	43.6		69.2	73.4	82.0	87.2	91.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	34 . 7	30.6	43.9	46.8	69.6	73.7	82.7	88.2	92.4	1	95.2	95.2	95.2	95.2	95.2	95.2
≥ 600		30 . Ej		46.8		73.7	82.7		92.7		96.2	96.5	96 . 5	96.5	96.5	96.5
≥ 500	35 • 1	19.5	44.6	49.5	70.2	74.7	83.7	89.3	93.8	96.9	97.2	97.9	98.3	98.3	98.3	98.3
≥ 400		79.8		49.8			84.4			98.6						
≥ 300	75.0		,	49.8	76.9	75.4				98.6						
≥ 200		35.3		49.8						98.6						
≥ 100 ≥ 0	35.0			49.8		1	84.4			98.6						
≥ •	5.7	3500	45.0	45.8	70.9	75.4	84.4	90.7	95.2	98.6	99.0	99.7	10.0	100.0	100.00	100.0

TOTAL NUMBER OF OBSERVATIONS 289

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

							VISI	BILITY (ST	ATUTE MILI	ES)	<del></del>	<del></del>				
CEILING (FEET)	≥ 10	≥ 6	≥ 5	≥ 4	 ≥3	≥ 24	≥ 2	214	2116	21	≥ %	≥ 4,	≥ %	≥ 5/16	≥ '4	,
NO CEILING		14.5	16.3	16.6	18.9	18.9	1: 9	1 , 9	13.9	15.0	18.9	16.9	10.9	18.9	18.9	16.9
≥ 20000		23.1	25.3	Se . Ca	30.1	.6.1	37.1	35.4	37.4				30.4	30 - 4	30.4	30.4
2.18000	•	23.4	25.0	75.1	317.1	70.1	3D.1	30.4	30.4			30.4				
≥ 16000	1.7	23.5	25.3	20.41	31.4	33.4	30.4	33.7	3.1.7	30.7	30.7	30.7			30.7	30.7
≥ 14000	7.3	24.7	27.0	78.0	32.4	32.4	32.4	32.3	32.8	32.8	32.8	32.8	32.8	32.8	32.8	
≥ 12000		25.3	20.4	29.4	34.5	34.5	34.5	34.8	34.0				34.8	74.8	34.8	34.8
_ ≥ 10000	7	0.4	3 ? . 4	73.8	49.5		40.9	91.2	41.2			41.2			41.2	41.2
≥ 9000	. 4	33.1	33.1	34.5	41.5	41.5		1	1		42.2	42.2	42.2	42.2	42.2	42.2
≥ 8000		31. N	34.5	36.2	4 ? . 2	43.6	43.9	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 7000	1	11.	34 . 5	36.5.	43.6	43.9	44.3	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 4000	- 4	32.1	35.1	35.8	47.0	44.3		44.9					44.9	44.9	44.9	44.9
> 5000	- 1	73.1	34.2	37.8	45.3	45.6	46.	46.3	46.3	45.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 4500	-1.1	34.1	37.2	39.2	47.6	48.	40.3	44.7	45.7	48.7	48.7	46.7	49.7	48.7	48.7	48.7
≥ 4000	. 7	35.	53.9	41.2	50.3	31.4	51.4	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3500		37.5		43.2	54.1	54.7	55.1	75.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
> 3000	5.	79.4	4 7	46.6	67.1	(1.2	62.5	62.8	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 2500		42.6	47.3	1.0	65.0	67.2		69.6	70.1	70.3			75.3	70.3	70.3	70.3
≥ 2000	2.7	40.6	57.4	57.1	74.7	76.4	78.7	79.4	80.4	80.7	8C.7	80.7	80.7	80.7	80.7	83.7
≥ 1800	-2.2	46.6	57.4	57.1	74.7	76.4	75.7	79.4	80.	80.7		80.7	80.7	· 000	80.7	
≥ 1500	1.	4 , 3	54.4	5 . 1	79.0	79.7	82.8	83.8	84.8	85.5	85.5	85.5	AS.S	85.5	85.5	85.5
	4.4	49.7		61.5	87.7	82.4	85.8	17.5	88.5	89.2	89.2	89.2	87.7	89.2	89.2	89.2
≥ 1200 > 1000	46	70.3	54.4	61.2	R2.4	4.5	88.5	90.5	92.2	92.0	92.0	02.0	02.0	92.9	92.9	
1		39.7	56.5	61.5	27.3	54 B	88.9	90.9	92.6		93.2	93.2	93.2	93.2	93.2	
≥ 900 > 800	46.	53.7	_	61.5	- T 1	45.1	89.5	92.6		96.3				07.3	97.3	97.3
	46	51.		61.3		-5.8			96.3				96.3	93.3		
≥ 700 ≥ 400	46.1		57.1			95.8		93.6		1	98.7					
· -	45.0		57.1		83.5	26.2		94.3	97.0					100.0	99.0	9 <u>9.0</u> 100.0
≥ 500 ≥ 400	40.0	51.3		7.7.7	83.5	26.2	-		97.0	- 1						
	4 L 0	1.0	57.1	61.5	83.5				97.7				100.0	100.0		100.0
≥ 300 ≥ 200	1					M6 . 2	- 1		- 1	1	1	- ,				
	45	51.0			83.5	96.2								100.0		
≥ 100 > 0		1	1	61.A	83.5	°6 • 2			1					1 70 . Ci		
≥ 0	40.01	: 1 · 1	57.1	01.5	5 5 e 5	30 . 2	40.9	74.5	77.C	78 . 7	77.7	77.7		100.0	100.0	

OTAL MILMARA OF CASSEVATIONS 296

1151051, URF 81 73-62

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NAVA, WEATHER DERICH E DETAIL HENT ASHESTELL NO

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS:	BILITY (ST	ATUTE MIL	ES)					_	
iPEET1	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	2 2%	≥ 2	≥ 1%	≥ 1%	≥1	≥ %	≥ 4,	≥ n	≥ 5/16	≥ ⊊	≥ 0
NO CEILING	: •	77.7	27.2	23.2	25.6	25.9	25.9	75.9	25.9	25.9	25.0	25.9	25.9	25.9	25.9	25.
≥ 20000	•	2.4	33.5	37.5	41.	41.3	41.3	41.3	41.7	41.3	41.3	41.3	41.3	41.3	41.3	41.
≥ 18000	•	.2.4	35.5	37.5	41.	41.3	41.3	41.3	41.7	41.3	41.3	41.3	41.3	41.3	41.3	41.
≥ 16000	· 1	72.4	35.5	37.5	71.	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.
≥ 14000	2.1	33.	36.9	3 7 . 3	42.7	43.0	43.0	43.0	43.7	43.0	43.0	43.0	43.0	43.0	43.0	43.
≥ 12000	5	18.9	42.3	45.7	47.2	49.5	49.5	49.5	44.5	49.5	49.5	49.5	49.5	49.5	49.5	49.
ົ ≥ 10000	٠. و	40.3	44.C	47.4	51.2	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.
≥ 9000	• ~	41.0	44.7	42.1	51.0	12.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6.	52.
≥ 0000		42.7	46.0	50.5	35.3	76.0	56.0	55 . D	55.D	54 . D	56.5	55.0	56.0	56.0	56 . C	56.
≥ 7000	27	42.7	46.9	5C • 5	55.3	56.0	56.D	55.0	56.0	56.0	56.0.	56.0	5(.)	56.0	56.0	56.
	3	43.	47.1	د ، ۲	55.6	56.3	56.3	55.3	55.3	56.3	56.3	56.3	55.3	56.3	56.3	56.
> 5000		43.7	47.5	51.9	57.0	58.0	58.0	58.0	58.0		58.0	58.9	58.0	58 D	58.0	56.
> 4500	7	46.1	5 .2	54.3	50.4	61.1	51.1	61.1	61.1	61.1	51.1	61.1	61.1	61.1	51.1	€1.
≥ 4500 ≥ 4000	. 4 . 4	4 - 1	52.6	57.	63.1	(5.2	65.9	66.2	65.6	66.6	66.6	66.6	66.6	56.6	56.6	66.
≥ 3500	45.7	49.5	5 3 0	58.7	65.5	67.9	68.6	68.9	69.3	69.6	69.6	69.6	67.6	09.6	69.6	69.
> 3000	41.1	51.9	54.3	61.4	53.6	71.3	72.4	72.7	77.0	73.4	73.4	73.4	73.4	73.4	73.4	73.
	4: 3		50.4	44.5	71.7	75.1	76.5	76.8	77.1	77.5	77.5	77.5	77.5	77.5	77.5	77.
≥ 2500 > 2000	1.5	57.3	6 1	67.9	76.5	79.9	81.9	42.6	82.9	P 1	83.3	A 7. 7	A 7 . 3	83.3	83.3	63.
- 1	2.2		62.9	62.6	77.1	PD 6		73.3	53.6	24 . D	84.0	84.0	84.0	34.7	84.7	84.
≥ 1800 ≥ 1500		59.7	64.5	71.0	81.2	1 M . F	87. k	6 A . L	69.1	80.4	80.4	BO.A	89.4	80.4	RO.A	89.
- 1	4	6 1	64.	71.3	82.3	25.7	88.7	0		91.5	91.5	71.5	91.5	91.5	91.5	91.
≥ 1200 > 1000	4.5	n) • 4	65.7	71.7	82.6	96.0	80.4	20.8	92.2	92.8	92.3	92.8	97.8	92.5	97.8	92.
	5	5D 8	95.0	7 7	97 7	66.7	90.1			73.9	93.9	93.0	93.9	7 * .	93.9	93.
≥ 900 ≥ 800	5.	4.1	66 2	70 7	£3.6	r 7 -	90.8				96.3	96.3		04 7	7347	96.
- 1	أتماع	41 1	66.2	72.7	84.3	d8 4	92.2			97.6		98.3	96.3	98.6	98.6	=
≥ 700 ≥ <b>600</b>	5 6 7	71.1	1171				92.2		96.5							
·	<u>5 • 1</u> ,		66.2	72.7		56.4			97.3		98.6	98.6	98.6			99.
≥ 500 > 400	5.		66.2		84.3	98.4	92.5				,	99.0			99.3	99.
	. ં ફ્રેં • ૈ,		65.2	. <del></del>	84.3	:8 -4	92.5	94.2	97.3		99 . 0			·	79.7	-99,
≥ 300	5.	1	:	72.7	84.3	08.4	92.5		97.6			99.3		100.0		
_≥ 200		61.1			84.3	6.4	92.5	94.5	97.6		99.3			100.0		
≥ 100	-	51.1		72.7	84.3	F 8 . 4	92.5		97.6		99.3		-	100.00	- 1	
≥ 0	5 <u>.</u> ຕ	51.1	66.2	72.7	84.3	P8.4	92.5	94.5	97.6	98.3	96.3	99.3	99.7	10000	100.0	LOC.

TOTAL NUMBER OF OBSERVATIONS 293

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

/ 3----

VISIBILITY (STATUTE MILES) CEILING FEET 214 215 21 | 24 ≥ 44 ≥ 4 2 5/16 ≥ 5 NO CEILING > 20000 1. 2. 10.1. 21.8; 31.8; 35.5; 36.1; 36.1; 36.1; 36.1; 36.1; 36.1; 36.1 36.1 36.1 36.1 36.1 36.1 > 16000 29-1, 29-8, 71-8, 35-5, 76-1, 36.1 36.1 36.1 36.1 ≥ 12000 -1. 33.4. 34.1. 76.6. 42.5. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 43.1. 1. 35.4. 37.8. 40.5. 47.2. 47.6. 48.2. 48. ≥ 9000 ≥ 8000 ≥ 7000 > 5000 1.5 43.8 45.2 49.2 5 .5 60.2 60.2 61.5 61.7 61.9 61.9 61.9 61.9 61.9 61.9 4000 3500 3000 2500 2000 2-5 56-2 58-5 63-2 74-6 77-9 79-6 81-3 82-6 83-6 64-0 84-3 84-3 84-3 84-3 84-74.9 78.3 79.9 81.6 82.9 84.0 84.3 84.6 54.6 84.6 84.6 84.6 £2. 56.5 58.9 63.6 58.9 61.5 66.6 77.9 61.3 82.9 84.6 85.0 87.0 87.3 87.6 87.6 87.6 87.6 87.6 5.2 5.2 61.9 66.9 78.9 22.6 84.6 86.3 87.6 89.0 89.3 89.6 89.6 89.6 89.6 89.6 <u>></u> 1000 50.5 00.5 63.6 68.6 81.3 55.6 67.6 92.3 92.3 93.3 95.7 96.7 96.7 96.7 97.7 97.3 62.6 31.3 65.6 87.6 90.3 93.0 95.0 97.0 98.3 98.3 98.3 98.7 68.6 81.3 45.6 87.6 90.3 93.0 95.7 97.7 99.0 99.0 99.0 99.3 60.5 63.6 68.6 56.5 67.5 67.6 56.51 60. 67.6 63.6 31.3 A5.6 87.6 90.3 93.3 96.0 98.0 99.3 99.3 99.7100.0100.0 55.5 63.5 63.6 65.6 81.3 85.6 87.6 90.3 93.3 96.0 98.0 99.3 99.3 99.7100.0100.0 57.5 63.5 63.6 65.6 81.3 85.6 87.6 90.3 93.7 96.0 98.0 99.3 99.3 99.7100.0100.0 63.6 68.6 81.3 95.6 87.6 90.3 93.3 96.0 98.0 99.3 99.3 99.7100.0100.0

TOTAL NUMBER OF OBSERVATIONS 291

DIRNAVOCEANMET SMOS

MAJAL MEATHERCIERCE EDITACHATIST, ASHEVILLE NO

in the second

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# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

275-52 UNIA C 75-52

CEILING		<u> </u>					VIS	BILITY (ST	ATUTE MILI	ES)						
IFEET	≥ 10	. ≥ 6	2 5	≥ 4	≥ 1	≥ 2%	≥ 2	≥ 1½	≥ 11.	≥ i	≥ •	≥ •	≥ %	≥ 5/16	≥ '₄	≥ 0
NO CEILING	2.5	23.7	27.7	24.4	17.8	. 8 . 5	2 7.2	30 • 5,	30.5	36.5	30.5	30.5	30.5	35	30.5	37.5
≥ 20000	• 1,	ذ و ، '	3 • 5:	71.2	34 . 4	15.6	36.6	12.0	3 - • 0	3 o C	38.0	38.C	39.7	38.0	30.0	36 . 🤄
≥ 18000	• 1	8.5	30.5	31.2	34 . 6	35.6	36.6	38.6	33.00	33.	36 . 3	38.0	38 • C	36 • C	25.3	33.0
≥ 16000	. 1		37.5	11.2	34	15.6	36.6	34.0	3 • C	38.D	3^.7	38.0	30.0	38.5	38.0	39.5
≥ 14000	• 2	71.2		31.	35.3	36			39.6	30.6	33.6	38.6	33.6	38.6	33.6	39.6
≥ 12000	₹.	. 35 <u>•</u> 6	35.0	36.0	41.	42.	47.1				44.4	44.4	44.4	44.4	44.4	44.4
≥ 10000	75.6	3	39.7	4 , 7	45.4	47.1	47.2	5 . 5	5 T • ?	53.9	50.0	50.9	50.9	50.9	50.9	50.9
≥ 9000	5 6			40.7		47.1	49.2	° 5 5	50.9	57.9	5 . 9	50.9	50.9	50.3	50.9	50.9
≥ 8000		45.7	42.3	43.4	4 - 5	- •	25.0			54.5	54.6	54.6	54.6	54.6	54.6	54.6
≥ 7000	• 7		47.4	44.4	49.8			55.6				55.9	55.9	55.9	55.9	55.3
≥ 6000	3.	43.4	44.8	45.1					- :		- :	57.6	57.6	57.6	57.6	57.6
≥ 5000	10.	44.4	4 5 . 8	47.5	52.0		58.0	59.3		59.7	59.7	59.7	50.7	59.7	59.7	59.7
≥ 4500	2.4	40.1	47.8	u , . 8		59.7	62.4		64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	3.4	_47.5		1.2			65.8	67.8	59.1	60.1	69.1	64.1	68.1	68.1	68.1	58.1
≥ 3500	14.	48 .€	5 • 9	-3.2	61.7	1		71.5					71.9	71.9	71.0	71.9
≥ 3000	• • •	51.2	53.2	25.6	64.4	68.€	72.5	74.5	75.3		75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	4 . 4	5 2 · 5	54.7	57.3	67.5					79.0	79.0	79.0	79.0	79 • C	79.0	79.0
≥ 2000	4 / <b>a</b> A	4.6	57.0	65.0	79	75.6	80.0	22.7		53.4	83.4	93.4	63.4	A3.4	83.4	83.4
≥ 1800	0.2	5,4 . 7	57.3	62.3	71.2	75.9	30.3	"3.1	23.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 1500	-	5.3	56.3	61.4	72.5	17.3	82.3	24.8	85.8	85.8	05.8	85.8	95.8	85.8	85.8	65.8
≥ 1200	• `	5.6	58.6	1.7	73.2	78.0	82.7	85 . 8	97.5	87.5	87.5	87.5	87.5	37.5	87.5	87.5
≥ 1000	1.7	55 • 9.		62.4		91) . 3	85.8					-	92.5	92.5	92.5	92.5
≥ 900	1 • 2	۳5. 4	5 9 . 0	62.4	74.9	86.7	86.1	99.8	92.9	93.2	93.6	93.6	93.6	93.6	93.6	93.6
≥ 800	1.2	5.9	59.5	62.7	78 . 61	+1.4	87.1	20.9	93.9	94.2	94.6	94 . 6	94.6	94.6	94.6	94 . 6
≥ 700	1.2	5.7	5 . 3	62.1	76.3	12.4	88.1.	91.9	95.6	95.9	96.3	96.3	56.3	96.3	96.3	96.3
≥ 400	1.2	5.9	52.	63.1	76.3	22.4								97.0		
≥ 500	1.2	\$5.7	57.3	63.1	77.C	° 3 . 1	8 . 48	93.2	97.0	97.3	98.0	98.3	99.3	98.3	98.3	98.3
≥ 400	1.2	55.0	5 9 . 3	63.1	77.0	P3.1	87.5	93.9	97.€	98.3	90.0	99.3	99.3	99.7	99.7	99.7
≥ 300	1.5	56.3	59.7	63.4	77.3	A3.4	89.8	94.2	95.0	98.3	99.3	99.7	99.7	100.0	100.0	100.0
≥ 200	1.5	56.3	59.7	63.4	77.3	83.4	89.8	94.2	98.0	98.3	99.3	99.7	99.7	100.0	100.00	100.0
≥ 100	1.	56.3	57.7	63.4	77.3	93.4	89.8	94.2	98 . C	98.3	99.3	99.7	99.7	100.00	100.0	00.0
≥ 0	1.5	56.3	59.7	83.4	77.3	23.4	89.8	94.2	98.7	98.3	99.3	99.7	99.7	100.0	00.0	loa•d

TOTAL NUMBER OF OBSERVATIONS 295

NACA, WEADING ARREST OF TACHMONT AND SOLD NO

# **CEILING VERSUS VISIBILITY**

Solay de M

JUL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL.

MO CERUNG  2 70000  1			
2 10000 2 1000	⊭46 ≥ ¼	. ≥ 0	2 0
2   18000   2   4   4   1   2   5   2   7   1   3   1   3   2   1   3   2   7   3   3   3   3   3   3   3   3   3	3.7 23.7 2	3.7 23	3.
2 10000 2 1000	1 - 5 34 - 5 3	5 34	4 .
2 10000 2 17000 2 17000 2 17000 2 17000 2 17000 2 17000 2 17000 3 1 1 2 3 1 3 5 1 2 1 37 4 73 1 37 2 4 4 1 1 4 1 4 1 6 4 1 1 4 1 2 2 4 1 2 4 1 2 2 4 1	1.5 34.5 3	5 34	4 . 1
2 10000 2 10000 2 10000 3 1 4 34 5 55 6 4 42 0 43 7 45 0 45 0 45 0 5 46 0 46 6 6 8 2 9000 3 1 4 34 5 76 6 4 42 0 43 7 45 0 46 0 46 0 6 8 2 9000 3 1 34 5 76 6 4 42 0 43 7 45 0 46 0 47 0 7 5 6 2 5 6 6 5 7 7 7 6 7 9 6 8 9 6 7 7 1 8 7 8 9 7 9 7 8 8 9 8 9 8 9 9 9 8 8 9 9 9 9	34.6 3	6 34	4 .
2 10000 2 71.4 34.6 7 75.6 47.1 43 44.3 45.3 45.9 45.2 45.5 46.6 46.6 4 2 9000 3 71.4 34.5 76.4 42.9 43.7 45.1 46.1 46.5 86.9 47.3 47.4 47.4 47.4 47.4 2 9000 3 72.3 33.x 36.6 37.8 45.0 47.1 48.6 49.7 50.2 50.6 51.0 51.1 51.1 51.1 52.0 1 43.5 37.4 37.4 47.0 48.3 48.8 49.9 50.5 50.9 51.3 51.4 51.4 51.4 51.4 51.4 51.3 51.4 51.4 51.4 51.4 51.4 51.4 51.4 51.4	36.4 3	36.	6.
2 8000 2 71 34 5 76 8 42 9 43 7 45 1 46 1 46 5 86 9 47 3 87 8 47 8 87 8 87 8 87 8 87 8 87 8	1.2 41.2 4	2 41	1.
2 8000   1.0   33   x   36.6   37.8   45.0   47.1   43.6   49.7   57.0	.6 46.6 4	.6 46	£ .
2 7000  1. 4 33. 7 36. 7 35. 9 46. 1 47. 3 48. 8 49. 9 50. 7 50. 9 51. 3 51. 4 51. 4 51. 4 52. 4	1.4 47.4 4	1.4 47	7.
2 6000 3 . 7 . 8 . 5 . 8 . 47 . 6 . 48 . 3 . 49 . 8 . 51 . 0 . 51 . 5 . 52 . 3 . 52 . 4 . 52 . 52	1.1 51.1 5	.1 51	1.
2 9000 3 0 7 3 5 0 3 7 0 2 4 0 5 4 3 0 3 5 1 0 6 4 3 0 7 5 5 0 4 6 0 9 5 7 0 5 5 8 0 0 5 8 0 4 5 8 0 5 5 9 0 5 2 4 5 0 0 5 8 0 0 0 5 8 0 0 0 5 8 0 0 0 0	1.4 51.4	1.4 51	1.
2 4500 2 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2.4 52.4	2.4 57	2.
2 4000	1.8 54.8 S	1.8 54	4 .
2 3500	5 55.5	.5 58	8.
2 3000	2 - 4 62 - 4 6	2.4 62	2.
2 2000	66.0 5	3 56	6.
2 2000 41. 4 2 50.4 55.5 68.2 71.6 75.2 77.6 79.2 83.1 83.7 81.3 81.3 81.3 81.3 81.3 81.3 81.3 81.3	1.2 71.2 7	1.2 71	1.
2000 41. 40.2 50.4 55.0 68.2 71.6 75.2 77.6 79.2 83.1 83.7 81.3 83.0 5 1800 2. 4c.1 55.5 5.2 68.5 71.2 75.5 77.9 79.5 80.4 81.0 61.3 71.3 5 1900 3.1 47.4 55.1 57. 71.4 74.2 78.8 81.5 03.4 84.4 65.0 85.3 85.3 8 1900 44.1 47.4 55.1 57.6 72.6 76.3 87.4 93.5 85.5 86.6 87.3 87.5 87.6 8 1900 44.1 47.4 53.1 50.2 73.7 77.8 82.6 66.2 88.7 90.2 91.2 91.4 91.4 91.4 5 1900 44.1 47.4 53.1 50.2 73.7 77.8 82.8 86.7 89.3 90.8 91.9 92.1 92.2 9 1.4 91.4 91.4 91.4 91.4 91.4 91.4 91.	75.1	6.1 75	5.
2 1900 3.1, 47.4, 5.0.1, 77.0, 71.4, 74.0, 78.8, 81.5, 03.4, 84.4, 85.0, 85.3,	1.0 81.0 8	.0 81.	1.
≥ 1000	.3 81.3 8	.3 81	1.0
2 1000	3 85 - 3 8	. 3, 85	5.4
2 000 4.0 5 5 3 0 5 6 0 4 7 4 0 C 7 8 0 1 8 2 0 8 6 0 7 8 9 0 0 8 9 1 0 9 9 2 0 1 9 2 0 2 5 2 5 2 0 0 4.0 4.0 9 5 3 0 7 2 0 9 7 4 0 7 7 8 0 9 8 3 0 9 8 8 0 1 9 1 0 7 9 4 0 9 4 0 8 9 4 0 9 5 2 7 5 0 1 7 9 0 6 8 4 0 0 8 0 0 0 2 0 4 0 7 9 4 0 7 9 6 0 9 6 0 2 5 2 7 5 0 1 7 9 0 7 8 4 0 9 8 0 0 9 2 0 4 0 7 9 4 0 7 9 6 0 9 7 0 0 9 6 0 2 5 2 7 5 0 1 7 9 0 1 8 5 0 1 9 2 0 1 9 4 0 7 9 6 0 9 7 0 0 1 8 5 0 1 9 2 0 1 9 4 0 7 9 6 0 9 6 0 1	1.6 87.6 8	6 87	7.
2 400 44 5 49 5 54 6 56 2 75 1 79 6 84 6 8 6 0 0 2 4 7 94 6 9 96 8 97 6 0 96 2 5 40 6 49 6 2 54 6 1 57 6 3 75 8 90 1 85 8 8 9 9 9 3 4 95 6 57 4 98 0 98 2 5 5 6 5 7 6 98 0 98 2 5 6 98 2 5 6 98 2 5 7 6 98 0 98 2 5 7 6 98 0 98 2 5 7 6 98 0 98 2 5 7 6 98 0 98 2 5 7 6 98 0 98 2 7 7 6 98 0 98 2 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	91.41 9	.4: 91	1.
≥ 700 44.5 49.5 54.7 59.2 75.1 79.6 84.9 89.3 92.4 94.2 95.7 96.0 96.2 9 2 40.5 40.5 54.7 57.2 75.1 79.7 84.9 89.3 92.7 94.7 96.4 96.8 97.0 9 2 300 44.5 40.2 54.1 57.3 75.4 90.1 85.4 89.9 93.4 95.6 57.4 98.0 93.2 9 2 400 44.6 49.2 54.1 57.3 75.5 82.2 85.7 9.4 93.0 96.3 98.2 98.7 99.0 9 3 40.5 40.2 54.1 57.3 75.5 82.2 85.7 9.4 93.0 96.3 98.2 98.7 99.0 9 3 40.5 40.2 54.1 57.3 75.5 82.2 85.7 9.4 93.0 96.3 98.2 98.7 99.0 9 3 40.5 40.5 40.2 54.1 57.3 75.5 82.2 85.7 9.4 93.0 96.3 98.2 98.7 99.0 9 3 40.5 40.5 40.2 54.1 57.3 75.5 82.2 85.7 9.4 93.0 96.3 98.2 98.7 99.0 9 3 40.5 40.5 40.2 54.1 57.3 75.5 82.2 85.7 9.4 93.0 96.3 98.2 98.7 99.0 9 3 40.5 40.5 40.5 40.5 40.5 40.5 40.5 40.5	2.2 97.2 9	2 92	z
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	9 94.9 5	9 94	4.1
≥ 600   44.5 40.5 54.5 54.2 75.1 79.7 88.9 89.3 92.7 94.7 96.4 96.8 97.0 5 ≥ 500   44.6 49.2 54.1 57.3 75.4 90.1 85.8 89.9 93.4 95.6 57.4 98.0 93.2 5 ≥ 400   44.6 49.2 54.1 57.3 75.5 60.2 85.7 97.4 98.0 98.2 98.7 99.0 5	. 2 96.3 9	. 3 96	
2 400 44.6 44.2 54.1 50.3 75.5 60.2 85.7 9 4 93.0 96.3 98.2 98.7 99.0 9	7.C 97.1 9	.1: 97	7.
2 400   14.6 44.2 54.1 50.3 75.5 60.2 85.7 90.4 93.0 96.3 98.2 98.7 99.0 9	.2 98.3 9	. 3 98	8 .
> 300 444.7 49.3 54.2 70.4 75.6 dD.3 85.6 97.5 94.7 96.5 98.4 99.7 99.4		.2 99	9.
	.7 99.8 9	.8 99	9.
	7.7 99.81	.8100	0 ./
≥ 100 44.7 47.3 54.2 57.4 75.6 10.3 85.8 90.5 94.0 96.5 98.4 99.0 99.4 5	.7 99.815	.8100	5.1
	7 99 810	.8100	9 . [

TOTAL NUMBER OF OBSERVATIONS

2115

MAVAL WEATHER NEWSON DETACHMENT ACHEVRUE. NO.

### **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

77-F.

CEILING							VISI	BILITY (STA	LTUTE MILE	(5)						
(PEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 214	≥ 2	≥ 115	≥ 1.	≥1	≥ ъ	≥ 4	≥ 4,	≥ 5. 16	≥ '.	≥ 0
NO CEILING	•	17.00	3".1	3 3	37.5	43.4	40.4	47.4	47.4	40.4	47.4	47.4	40.4	40.4	4 .4	4 . 4
≥ 20000	•	73.7	30.3.	37.4	41.5	42.7	42.7	43.9	43.7	43.9	43.0	43.9	43.0	43.9	43.9	43.4
≥ 18000	` • '	ં 3 • ₹	31.3	37.4	41.5	42.7	42.7	43.9	43.0	4:0	43.9	43.4	43.9	43.9	43.7	43.0
≥ 16000	. •	,3. t	36.2	37.4	41.5	42.7	42.7	43.9	43.0	43.5	43.0	43.5	47.9	43.9	43.9	43.9
≥ 14000	- I.	-33 • 1	30.5	7.	42.1	-3.3	43.3	44.4	44,4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 12000	• `	1100	4 2 . 1.	44.4	40.5	43.7	49.7	5 1.9	57.7	50.9	65.0	50.9	5:.2	50.9	50.9	50.7
≥ 10000	•	43.5	43	Tu. 3	57.5	9.1	60.2	(1.4	61.4	61.4	01.4	61.4	A1.4	61.4	61.4	51.4
≥ 9000	• !	44.4	4 .5	5.0° €	57.5	59.7	15.00	+2.0)	62.0	62.1	62.0	62.C	62.0	62.0	62.0	62.7
≥ 1000		42.7	5 .1	15.0	63.2	64.0	66.7	56.4	69.4	68.4	65.4	68.4	68.4	63.4	68.4	68.4
≥ 7000	2 . 4.	4. 65	53.2	50.1	64.7	6.4	67.8	49.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 6000	17.4	40.5	53.2	56.1	54.3	66.7	63.4	73.2	77.2	0.2	70.2	70.2	70.2	70.2	70.2	7:.2
≥ 5000	: " , 4	46.5	54.4	57.3	65.5	67.6	69.6	71.4	71 +4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500	` • • o	49.3	5 . 1	55.1	67.3	70.2	71.9	74.3	74.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 4000	-1, • E	49.7	54.7	59.7'	67.8	70 . P	72.5	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 3500	· , - • •	```i`	5 1	47.0	71.4	74.9	77.2	3 . I	8 . 1	31.1	37.1	80.1	80.1	9: 1	80.1	80.1
≥ 3000	1.5	12.6	5 7	63.7	73.1	76.6	79.D	71.9	81.0	81.9	e1.9	81.9	81.9	21.9	81.9	81.9
≥ 2500	T.1	3.2	60.6	E4.4	75.4	79.C	81.3	34 . 2	34.2	74.2	64.2	84.2	84.2	84.2	64.2	34.2
≥ 2000	J . 12	53.3	61.4	c . 1	77.2	0.7	83.6	6.6	86.6	86.6	86.6	66.6	86.6	86.6	86.6	86.6
≥ 1800	2.6	53.	61.4	4 1	77.2	10.7	83.6	6.6	96.6	86.6	86.6	6.63	86.6	86.6	86.6	66.6
≥ 1500	2.4	53.8	61.4	66.1.	79.4	41.9	84.8	F 0 . 3	3.3	88.3	88.3	88.5	88.3	98 - 3	88.3	98.3
≥ 1700	. ?	4 . 4	63.2	67.8	81.3	5.4	38.3	91.8	91.2	91.6	91.0	91.8	91.8	91.8	91.8	91.8
≥ 1000	7.2	:4.4	63.2	67.3	81.3	75 • 4	88.9	92.4	93.7	93.û	93.0	93.D	93.0	93.0	93.0	93.0
≥ 900	7.2	54.4	63.2	67.8	01.3	5.4	88.9	92.4	93.	93.0	93.0	93.0	93.0	93.0	93.0	93.5
≥ 600	33.0	55.0	63.7	65.37	62.5	6.6	91.6	94 . 2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 700	53.	₹5.0°	63.7	c 9 . 6	83.0	7.1	91.2	64.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 400	B . 5	55.6	64.3	70.2	93.6	. 8 . 3	97.4	95.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 500	4.4	55.6	64.2	70.2	84.2	8.9	93.0	96.5	8.8	98.8	9 8	98.8	98.8	98.8	98.8	96.8
≥ 400	, 4	55.6	64.3	71 .2		18.9				98.8						98.5
≥ 300	44 14.	55.6	64.3	2	64.8	89.5	93.6	97.10	00.01	00.01	00.00	00.00	toa.a	100.0	00.0	7.001
≥ 200	4.4	55.6	64.3	7 2	84.E	49.5	93.6	97.1	10.0h	100.01	00.01	00.0	lac.o	130.0	00.0	100.0
≥ 100	4.41	35.6	54.3	7 . 2	34. A	39.5	93.6	97.17	27.01	100.C1	00.00	00.0	00.0	100.0	00.0	100.0
2 0	4 . 4	55.6	64.3	7 . 2	F 4 . 8	89.5	93.6	97.1	10.00	ino.ch	00.0	00.0	100.0	100.0	00.0	100.0

TOTAL NUMBER OF OBSERVATIONS 171

DIRNAVOCEANMET SMOS

MANA, WEATHER SERVICE LESACHED ST. ASHLVINGE NO.

### **CEILING VERSUS VISIBILITY**

17-6.

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (ST	ATUTE MILE	ES)						
FEET	≥ 10	≥ 6	2.5	≥ 4	≥ 3	≥ 2%	2 2	≥ 1½	≥1.	≥ 1	≥ .	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING	5.0	72.11	24.7	.7.7	31.2	71.2	31.2	71.4	31.F	31.3	31.5	31.8	31.8	31.9	31.8	31.4
≥ 20000		25.3	27.7	31.2	34.7	74.7	35.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 18000	4. ~	. 25 <b>. 3</b> i	27.7	31.2	34.	34.7	35.3	35.9	35.9	35.7	35.9	35.9	35.9	35.9	35.9	35.9
≥ 14000	`4.	25.3	27.7	71.2	34.7	34.7	35.3	35.9	35.0	35.9	35.0	35.7	35.9	35.9	35.9	35.9
≥ 14000		25.3	27.7	31.2	34.7	34 . 7	35.3	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9	35.9
≥ 12000	, , ,	36.0	32.4	36.5	47.1	40.1	40.4	41.2	41.2	41.2	41.2	41.2	01.2	41.2	41.2	41.4
≥ 10000	1.2	32.4	3	40.U	45.0	45.9	47.7	49.4	49.4	44.4	40.4	49.4	40.4	49.4	49.4	49.4
≥ 9000	1.1	73.5	30.5	40.6	46.5	46 . 5	48.2	50.0	50.0	50.1	50.Q	50 • Q	50.0	50.q	50 · q	_50 • <b>g</b>
≥ 9000	· • 3	37.1	42.d	4 : . 3	51.2	51.8	54.1	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 7000	ا و کر	37.7	46.6	4 - 0	51.8	12.4	54.7	50.5	56.5		56.5	56.5	56.5	56.5	56.5	56.9
≥ 6000	• 1	ੋਰ • ਹੋ	41.3	47.1	52.9	3.5	55.9	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3000	3 1 • 7	10.4	42.4	47.7	54.1	54 . 7	57.1	6.8	50.9	58.8	59.8	58.8	59.8	58.8	58.8	58.9
≥ 4500	• 3	41.0	42.9	43.2	. 5 . 3	-5.9	58.2	46	67.6	60.6	60.4	60.6	60.6	60.6	60.6	60.6
≥ 4000	1.2	42 • 1	4 E . ()	52.9	67.1	51.2	67.5	65.9	65.9	65.9	65.9	65.9	6.0	65.9	65.9	65.9
≥ 3500	41.	3.5	46.5	53.5	61.2	62.9	6.5 . 3	68.2	68.2	68.2	68.2	68.2	63.2	68.7	68.2	68.2
≥ 3000	4 . 1	46.5	51.2	13.2	67.1	69.4	71.8	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 2500	h # •	47.1	52.4	60.6	70.0	72 . 4	74.7	78.2	73.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2000	4 . 5	47.7	53.5	61.8	71.7	74 . 1	77.1	P1 . 2	81.2	81.2	81.2	81.2	81.2	51.2	61.2	61.2
≥ 1800	4 . 3	47.7	53.5	61.5	71.2	74 - 1	77.1	31.2	E1.2	81.2	61.2	81.2	£1.2	81.2	81.2	81.2
≥ 1500	4.	48.2	54.7	67.5	73.5	77.1	21.2	25.9	85.9	85.9	25.9	35.9	85.9	85.9	85.9	85.9
≥ 1200	4 5 . 1	48.2	54.7	64.1	74.7	78 . 2	82.4	8.83	88.8	86.8	88.8	88.8	86.5	28.8	88.8	88.68
≥ 1000	47.7	5 • ₹	5 6 . 5	67.1	78 . 2.	-1 · 6	85.9	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 900	4	ែΩ.រៀ	56.5	67.1	70.2	81 . 8	85.9	92.4	92.4	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 800		and a common market	57.1	57.7		<b>?3.</b> 5	88.2	94.7	94.7	95.3	95.9	95.9	95.9	95.9	95.9	95.9
≥ 700	40.2	F0.6	57.1	67.7	79.4	r4 . 1	38.8	95.3	95.3	95.9	96.5	96.5	96.5	96.5	96.5	96.5
≥ 400	• 7	60.5	57.1	66.2	BC.08	84.7	89.4	95.9	96.5	97.1	97.7	97.7	97.7	97.7	97.7	97.7
≥ 300	4 • 7	E (1) - 6	37.1	60.2	80.6	85.3	90.0	06.5	07.1	97.7	98.8	99.8	98.8	98.8	98.8	98.9
≥ 400	+1 . 2	50.6	57.1	68.2	80.€	F5 . 3	90 . C	6 . 5	57.1	97.7	98.8	98.8	98.8	98.8	98.8	96.8
≥ 300	4	51 . c;	57.1	50.2	51.2	25.9	90.6	97.1	97.7	98.2	99.4	99.4	100.Q	100.01	00.0	100.0
≥ 200	4 2	5 . 6	57.1	65.2	81.2	15.9	90.6		97.7	98.2	90.4	99.4	130.0	100.01	00.0	100.0
≥ 100	4 . 3	50.6	57.1	59.2	81.2	5.9	90.6	97.1	97.7	98.2	99.4	99.4	100.0	100.01	00.0	100.0
≥ 100 ≥ 0	4 . 2	50 • 6i	57.1	68.2	81.2	<b>35.9</b>	90.6	97.1	97.7	96.2	99.4	99.4	100.0	100.Q1	00.0	10c.d

DIRNAVUCEANMET SMOS

1.48

- NAVA, WEATHER SERVICE OF TACHMENT ASHEVELL NO

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

13 - 67 274708 Name YEARS

CEILING							VISI	BILITY (STA	TUTE MILE	(5)						
(PEET)	≥ 10	2 6	≥ 5	≥ 4	≥ 3	≥ 213	≥ 2	≥ ויו	≥ 1%	≥ 1	≥ •	≥ %	≥ <sub>14</sub>	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	1	10.4	1 . 3	2 .1	2:•1 2:•1	22.2	24.6	25.9 25.5	27.7	36.2	39.6	29.7	27.7 39.9	39.7	29.7 39.9	29.7 39.9
≥ 18000 ≥ 16000	1.7	10.4	1 1	2 . 1	2	30.3	32.4	75.5 35.5	36.0	38.2	37.5	39.9	30.q	39.9	39.9	39.9
≥ 14000 ≥ 12000	1 .4	15.7	13.7	20.8	27.4	37.9	34.5	37.5		47.4	40.1	42.5	47.3	42.3	2.3	49.5
≥ 10000 ≥ 9000		21.3 11.2	24.2	27.0	37.9	41.C	43.7 44.0	47.8	49.5	51.5	51.2	53.6	53.6	53.6	57.6	53.6
≥ 8000 ≥ 7000	1.	~3.6.		30.4	42.0 42.3	45.4	49.8	5.0	56.F	58.4	60.1 60.8	60.8	6 . 8	60.8	60.8	6
≥ 6000 ≥ 5000	1.	24.2	21.7	71.1	43.7	46.4	50.9	56.0		50.1	61.8	62.5	67.5	62.5	62.5	62.5
≥ 4500 ≥ 4000		7.5	3 .4	34.1	4 P P	72.2	56.7	62.1	64.2	66.6	69.3	68.9	68.9	68.9	65.9	68.9
≥ 3500 ≥ 3000	7.5	79.7	3 7 . 1	36.9	54.6 57.0	58.4	63.5	69.6	72.4	74.7	75.5	77.1	77.1	77.1	77.1 80.2	77.1
≥ 2500 ≥ 2000		35.7	34.5	30.6	57.3	51.1 52.3	67.2	73.4	76.5	76.8	80.6	81.2	81.2	51.2	81.2 84.0	81.2
≥ 1800 ≥ 1500		11.1	35.2	30.6 41.6	58.7	62.8	69.6			81.6 86.0	A 3.3	84.0	84.0	84.0	84.0	84.7
≥ 1200 > 1000	4	32.4	37.5°	43.6	64.5		77.1				92.5	93.2	93.2	93.2	93.2	
≥ 900 ≥ 800	7 . 7	32.5	31.6	43.7	65.2	69.6	79.2	85.0		92.2	94.9		95.6	95.6	95.6	95.6
≥ 700 ≥ 400	7	33.1 33.1	37.9	44.4	65.0	70.7	79.2	86.4			96.9	97.6	97.6	97.6	97.6	97.6
≥ 300 ≥ 400	₹ . †	33.1	39.6	44.7	66.6	71.3	79.9	87.D		94.9		98.6	98.6	98.6	98.6	98.6
≥ 300 ≥ 200	- (	33. I		45.4	67.6	72.4	80.9		92.2	96.3	99.31	00.01	ëo.ō	100.0	100.0	100.0
≥ 100 ≥ 0		73. A	30.6	45.4	67.6	72.4	80.9	85.1	92.2	96.3	99.31	00.01	0.0C	100.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS 243

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING FEET ≥ 14 ≥ 14 NO CEILING 10.3 17.1 15.3 27.2 7.9 30.0 31.1 31.5 31.8 31.8 31.8 31.8 31.8 ≥ 20000 > 18000 ≥ 16000 4 . 1 24 . 4 2 25.1 26.2 3 .0 37.6 40.6 43.1 44.5 44.7 45.2 45.2 45.2 45.2 45.2 45.2 45.2 ≥ 14000 32.5 42.4 44.2 47. 45.4 48.8 49.1 49.1 49.1 49.1 49.1 49.1 49.1 ≥ 12000 31.1 32.0 37.5 45.1 49.5 52.3 44.1 54.4 54.9 54.8 54.8 54.8 54.8 ≥ 10000 ≥ 8000 ≥ 7000 33.6 35.7 4 .6 51.9 53.7 56.5 56.3 58.7 59.0 59.0 59.0 59.0 59.1 59.0 59.0 33.5 35.7 41. 52.7 54. 8 57.6 59.4 52.7 60.1 60.1 60.1 60.1 60.1 60.1 60.1 ≥ 6000 ≥ 5000 4500 ≥ 1500 ≥ 2500 ≥ 2000 42.4 4 . 6 53.0 60.6 72.8 77.0 79.9 80.2 80.6 87.9 80.9 87.9 80.9 80.9 80.9 42.4 44.5 5 .0 67.6 72.8 77.0 79.9 30.2 90.6 80.9 80.9 87.9 87.9 87.9 87.9 1800 1 500 87.6 97.6 37.6 87.6 1200 7 40.4 53.5 7 45.4 53.0 1000 +3.1 79.5 <u>></u> 900 800 -D.3 48.8 53.7 61.1 80.9 84.5 97.8 94.4 45.1 95.8 96.5 96.5 96.5 96.5 96.5 96.6 96.5 46.1 44.1 54.1 54.1 61.5 61.3 84.8 91.5 95.1 95.8 96.5 97.2 97.2 97.2 97.2 97.2 97.2 700 400 42.1 53.4 55.6 63.3 63.7 66.9 93.6 97.2 97.9 98.9 99.7 100.0 100.0 100.0 100.0 100.0 -2.1 50.9 55.3 63.3 83.1 6.9 93.6 37.2 97.9 98.9 99.71 10.01 10.01 10.01 10.01 10.01 50.9 55.8 63.3 53.0 6.9 93.6 97.2 97.9 98.9 99.7 100.0100.0100.0100.0100.0

TOTAL NUMBER OF OBSERVATIONS

3.5

DIRNAVOCEANMET SMOS

NATA, AS A THE ROOM OF STREET AS HOW BUT AS HELD INC.

77---

401

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

CEILING							VISI	BILITY (ST	ATUTE MILE	ES)						
FEET	≥ 10	≥ 6	≥ 5	2 4	≥ 3	≥ 219	≥ 2	≥ 114	≥ 1%	≥ 1	≥ .	≥ 4	≱ ს	≥ 5/16	≥ 4	≥ 0
NO CEILING	•	19.7	2 .	71.3	> ° . 4		26.4	26.4	25.4			26.4			26.4	25.4
≥ 20000	• 7	35.	31.4	74 •	31		40.0			+	40.6				40.6	* • •
≥ 18000	· • 7	5. • "	31.6	34.		39.3				1	40.6			-	40.6	40.6
≥ 16000	• 7.	· •	31.4	- 4				4.6			40.5				4C.5	4.00
≥ 14000	• 14	72.0	3 7 . 7	36 • 3'	41.6		42.6				42.9				42.9	42.9
≥ 12000	• 3.	35 <b></b> .	37.9	39.6	45.7			47.2			47.2				47.2	47.2
≥ 10000				41.7	49.2			50.9			5 m • A	-	5 68	50.8	50.3	5L.8
≥ 9000	3 3	37.03.		41.9	49.8	10.2						51.5	51.5	<u>51.5</u>	51.5	51.5
≥ 9000	•		41.3		53.1		54.5		54.8		54.8		54.8	54.8	54.8	54.8
≥ 7000	• •	39 • 3		4.	53.5		54.8				55.1		55.1	55.1	55.1	<u> </u>
≥ 6000	7.7	-		45.0	54 . R		56.4				56.8		56.8	E6.8	56.4	56.8
≥ 5000	• .		43.0	46.0	56.1	56.4		8.1	58.1	58.1	50.1	59.1	53.1	58.1	58.1	58.1
≥ 4500	• 3				58.1	-		60.1				60.1	5C • 1		50.1	
≥ 4000	• • •		44.9		59.1			52.1				62.1	(2.1		62.1	6 Z • 1
≥ 3500												,		64.7		
≥ 3000	4.2		52.2		68.3						71.3		71.3			71.3
≥ 2500	• '• '	_						_					-	76.9		
≥ 2000	• .		57.4		78.9	1						82.8		82.8		82.8
≥ 1800	-		-			;		-	,		82.8				82.8	32 • R
≥ 1500	2.	>?•1									90.8					90.8
≥ 1200		( ) • I							• -		04.1				94.1	1
≥ 1000	4 • 1	60.7	00.	71.0							95.4		75.4	95.4		95.4
≥ 900 ≥ 800		00.7	4.4	71.6												
- 1	4 • 5.	61.4	7 7 3								96.0				96.0	
≥ 700 > 600	4.		•											97.0		
	4.	51.7		72.3	70.4	92.4								99.3		
≥ 500 ≥ 400				72.6		93.1	96.0			- 1			-	99.7		
-	5.1	62 - 1		72.6		53.1	96.3							100.01		
≥ 300 > 200	5 • 1	1	- 1		1	93.1	96.0									
la 🔻 🔭 🖠		62.1 62.1			01.4									100.0		
≥ 100 > 0			1		1	93.1	96.0							100.6		
≥ 0		25.01	9/0/	72.0	91.4	43.1	70.	48.7	77.5	77.7	ւրը • դե	սս•սր	UUOD	100.01	00.00	υ <b>υ•</b> 0

TOTAL NUMBER OF OBSERVATIONS 303

DIRNAVOCEANMET SMOS

1

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PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

CEILING		-				· · · · - <del>·</del>	VI\$1	BILITY (ST.	ATUTE MIL	ES)	·					
	≥ 10	≥ 6	≥ 5	≥ 4	<u>Ş</u> 1	צינ ≤	≥ 2	≥ 1%	≥ 11.	≥ 1	≥ 🐛	≥ ₩	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING	1.7	24.4	25.4		32.9	12.1	33.1	73.1	33.1	33.1	37.1	33.1	73.1	33.1	33.1	33.1
≥ 20000	÷ 4,	36 • 1.	37.5	41.5.	45.2	45.2	45.5	4_05	45.5	45.5	45.5	45.5	45 . 5	45.5	45.5	45.5
≥ 18000	٠.	36.5	37.9	01.9	45.5	45.5		45.9	45.5	45.6	45.8	45.8	45.8	45.8	45.8	45.4
≥ 16000	- 4 2 .	36.5	3 •	. <u>41.8</u>	. 9 2 6 5.	45.5	45.8	45.8			4 5 . 8		45.P	45.8	45.A	45.8
≥ 14000 ≥ 12000	.5•	- ラ <b>∀・</b> こ - カケー・	4 • 0	44.3	40.9	47.2		-	•		47.5	49.5	40,5	49.5	49.5	43.5
≥ 10000	10.	မြ£်စ္ငံ့ သမား မ	42.5	. <u>46 • 5.</u> 50 • 8	_2.1 e.≤. 55.?	6.2	56.3			51.3		56.5	.≟.≱& 55.5	. <u>51.</u> §	51.8	51.9
≥ 9000	^ 1	44.	47.2	11.2					-				• •	56.0	56.9	56.9
 ≥ ∎000	1.	46.2		2.8						39.2				59.2		59.2
≥ 7000	-1.	46.5	49.5	53.5	50.9					59.9				59.9	59.9	59.9
≥ 6000	× 2 • 5	47.2	5 .2	74.5	6 . 3	40.5	61.2	61.2	51.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 5000	+3.	40.5										63.7	63.9	63.9	63.9	63.9
≥ 4500	-4.			1						65.2			65.2			65.3
≥ 4000	• •	· •	5 7 • 5			<u>.</u> 5.9		+		67.6		_ :			· · · · · ·	€7.6
≥ 3500 > 3000	0.0	1.2		64.0		66.6				6 + • 2 74 • 5			- • -		64.2	66.7
≥ 1500		: e . ç	· · · ·							78.6		74.6		74.6 78.6	74.5	74.6
2000	7 ~	63.7		_			36.0				86.6	86.6	86.6		86.6	96.6
≥ 1800	, ,	53.0	67.6			•			•	87.0						- 4
≥ 1500	۶.۶	56.6	7 .2	77.3	87.	18.0	90.6	21.0	91.0	91.3	91.3	91.3	91.3	91.3		
≥ 1200	1.0	67.7	71.6	79.3	9 . [	1.7	93.7	94.7	94.7	94.3	\$4.3	94.3	94.3	C4.3	94.3	94.5
≥ 1 <b>00</b> 0	0.00	47.		7 • 3	9 3					96.0						96.0
≥ 900 > 600				79.3	. •					96.						96.0
- '		•	71.6				_ +			97.7	- +					98.7
≥ 700 > 600	3•3 1.550 i	67.		79.9			96.7			97.7						98.0
. — -> 500	2	<i></i> +	·	79.9		<del>-</del>				98.7						
ž 400	7.2	67.9	71.6	· i	91.6	72.6				99.7						
≥ 100	7.2	67.4		71.9						99.7						
≥ 200	2.2	67.	71.6	70.9	71.6	2.6	97.3	98.7	59.7	99.7	oc. ch	00.00	DC.C	100.0	100.0	100.d
≥ 100				74.9		92.6	97.3	96.7	99.0	99.7	וניים	00.0	100.0	100.0	100.0	00.3
≥ 0	0 . 2	67.5	71.6	75.9	91.6	12.6	97.3	98.7	99.	99.7	UC.01	00.0	100.0	100.0	100.0	ioc.d

TOTAL NUMBER OF OBSERVATIONS

3 77-

As a poly we will define the substitution of the proof of the  $\Delta t$ 

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 C

CEIUNG							VISI	BILITY (ST	ATUTE MILI	ES)						
PEET	≥ 10	. ≥ 6	≥ 5	2 4	≥ 3	≥ 215	≥ 2	≥ 115	≥ 114	≥ 1	≥ .	≥ •	≥ ',	≥ 5 16	≥ .	≥ 0
NO CEILING ≥ 20000	1.	13. 4.5		27.5	31.00 44.4	11.8 45.1		71.7	31.7 45.6	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 18000 ≥ 16000		24 . t	37.	4 . 1	44.4	45.1	45.5	45.8	5. E4	45.	45.4		4 . 8	45.5	45.6	45.8
≥ 14000 ≥ 12000		36.J	31.7	41.3	46.5 51.2	47.5 2.5	47.8 53.2	49.5	57.0	40.5	42.5 53.0	53.9	47.5 53.9	49.5	47.5	43.5 53.0
≥ 10000 ≥ 9000	1.	45.5	47.5		59.6	10.9	62.0			52.3	62.6	62.5	57.3	62.3	62.3	62.5
≥ 8000 ≥ 7000	4.4		5.5.5 55	56.5	43.€		66.7	-6.7		00.7	56.7	66.7	60.7 67.0	-	66.7	
≥ 6000 ≥ 5000	. U . 4	`4 5 <b>.</b> € 4 . 5	51.5 51.5	56.€ 57.6	65.7	5.7 <sup>†</sup>	63.4	67.3	67.₹ 07.€	67.3	67.3 69.	67.3 69.0	67.3 69.9		67.3	67.3
≥ 4500 ≥ 4000	4. - 7.1	50.2 51.5	54.2	1	67.7 65.7	59.7 71.7		71.7	71.7	71.7	71.7	71.7	71.7 74.1	71.7	71.7	71.7
≥ 3500 ≥ 3000		51.9 54.9	54.2 59.3	64.7	71. 74.8	73.1	79.1	7: 4	37.1	80.1	75.4 80.1	8C.1	75.4	75.4 FC-1	75.4 80.1	75.4 95.1
≥ 2500 ≥ 2000	1.	િ6 • ⊾ ઉશ્કેદ		65.5 65.4	31.1	3.5	56.5	7.5	97.5	94.2	97.5	87.9	37.9	97.9	87.9	94.7 97.4
≥ 1800 ≥ 1500	3.1	58.6 -6.3	63.0 64.7	70.4	91.1 33.5	-3 · a'	89.2	9.00	01.3	97.9 91.6	91.6	91.9	91.9	08.2 91.5	88.2 91.9	91.9
≥ 1700 ≥ 1000	5. 55.	୬୯∙୫ ୧୯•୨	65.7	71.7	86.2	٤9 <b>.</b> 2	92.3	3.6	95 • €	93.3	95.3	95.6	95.6	93.6 95.6	93.6 95.6	95.6
≥ 900 ≥ 800	5	5' • <i>•</i>		71.7		89.9	92.3	94.6	96 . C.		96.6	97.0	47.0	97.0		- 1
≥ 700 ≥ <b>600</b>		6 . 9 6 . 9	61.7	72.4	27.9	90.9		96.0	57.3		98.3	96.7	39.0	97.3 99. <u>0</u> ,	99.0	99.0
≥ 500 ≥ 400	55. 55.	60.7	65.7	72.4	88.2	<u>-1.3</u>	75	97.0	98.3		99.3		10.0	100.0	100.0	
≥ 300 ≥ 200	5. -5.		55.7	72.7	88.2	91.3	95.0	07.0	98.7	99.3	99.3	99.71	1 n • n	•	100.0	100.0
≥ 100 ≥ 0	5.			72.7										1 LC • 0 1 1 0 <b>0</b> • 0 1		

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

41

411

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MILE	(S)						
FEET	≥ 10	≥ 6	≥ 5	≥ 4	د ج	≥ 214	≥ 2	≥ 1'5	≥ 11.	≥ ;	≥ 4,	≥ 4	≥ Կ	≥ 5 16	≥ .	≥ o
NO CEILING	• 3		2 • 1	• • •	77.5	34 . 5	34.3	34.f	34.61	74.6	34.4	34.6	34.6	34.5	34.5	34.5
≥ 20000	• .	2 • 2.	37.	la•	42.1	43.2	43.2.	44.2	44.2	44	44.2	44.2.	44.2	44.2	44.2	44.2
≥ 18000	•	2.07	36.0	· 3	r : I	43.2	43.2	44.4	44.2	44.2	44.2	44.2	44.2	44.	44.2	44.2
≥ 16000		73.5	34.2	7 5 2 4	42.2	43.	43.5.	44.5.	44.5	44.5	44.5	4.4 . 5.	_44 ± 5.	44.5	44.5	44.5
≥ 14000	i •	73.2	37.5	34.3	43.7	44.2	44.2	45.2	45.7	45.2	45.2	45.2	4°.2	40.2	45.2	4 5 . 2
≥ 12000	4	ે દે∻ ∄	49.1	42.3	46. 7	48.3	48.3	47.3	4 7 • 7	44.3	49.3	4 9 . 3	4°. <u>•</u> ₹	49.5	47.3	45.3
≥ 10000		450	-							54.3			2002	63.7	59.3	_
≥ 9000	11.	1:4 • 1						· · +		59.9	<del>+</del>	59.9	ે છે છે • 9	59.9	59.9	59.9
≥ 8000	10.		51.5	8.9	4 - 1	_		65 <b>.</b> 3i	€9.9	65.00		63.8	. C → E.	58 😘	66.3	53.3
≥ 7000	1000	• . • 5	55.5	55.9	<u>ة</u> • <u>آ</u>		67.5	£ £ . 84	6 🖁 • 🗄,		65.8				68.8	6. • 5
≥ 6000	15.	D: • 3	⊃ ° • 5	· · • 3	4. K 🍦 🛊				-	59.2	_	_			-	65.2
≥ 5000					•	+				7 3	·- ·		•	72.3		
≥ 4500	• *				47.5			_	-	_	-				74.0	74.
≥ 4000	1.	~ ¹.	0	· • 1	72.3		•	•		77.1			77.1	77 • 1.	77.1	77.4
≥ 3500		$^{\mathbf{L}_{\mathbf{k}},\mathbf{L}_{\mathbf{k}}}\bullet\mathbb{T}$	6.7.3	67.1	-	7000		-	-	9 5		-	5	£ (° • 5	37.5	D = 1 € 1
≥ 3000	9 • ·		64.7.	64.5	7 3	1.9	. 5 و. 2 ي	3 , 9	33.°	6 3 • Q.	<u>₽</u> 3•?.	83.4	€ 7 • 9	93.	53.9	
≥ 2500	١٠:		> 7 <b>•</b> 9	2 J • 3	80 <b>.</b> 1	44.3	15.3		:6.6		35.6	86.6	° 6 • 6	56.6	50.0	36.6
≥ 2000	• .	• (	OF .F.	• 3.	2.5	7 . 5.	\$8.4.	•		89.7	•			. 8 ° • 7.	39.7	35.1
≥ 1800	• '	•	65.8	12.3	ن • پ	:7 • ·	89.7	70.1	73.4	93.4	9C.4	90.4	a; •4	ે. • 4	Ç 🖰 🔒 🛂	9 J . 4
≥ 1500	• .	61 <u>.</u>	67.5	13.2.	83.9.	19.4	90.4.	71.3.	92.5.	~2.5.	92.5.	92.5.	° ⊊ • 5,	76.00	72.5.	9
≥ 1200	• 1	51.0	67.2	73.6	^ E • 5	1.05	97.1	93.5	94.3	14.6	-4.2	24.2	54.2	94.2	74.2	3.4 . 5
≥ 1000	• .	~1 • b	<b>6</b> ? • 5.	74.3	30.0	22.1.	93.5	₹4 • 9.	75.€	95.6	5 K . 6.	75.6.	- 10 • 6.	``5 • 6.	95.6.	32.6
≥ 900	18 W	11.	61.5	7+.3	96.6	.5.1	63.5	74.9	95.6	95.6	95.6	95.6	~5.6	°5•6	95.5	95.5
≥ 800		42 · C.	6 . 1.	75 . Ú,	87.7	33.2.	74.5				•	•				
≥ 700	· · · · ·	~2.0	€ 8	75.3	37.7	23.2	95.2	96.6	77.4	97.5	97.6	97.5	97.6	97.6	97.6	57.6
≥ 600	٠.	52.3	67.2,	75 . 3	3 <u>3.0</u> 0	3.5	95.6	26 • 9.	9 . • 61	90.6	95.6	98,0	P8 • €	98 . 5	78.6	58 €
≥ 500	•	62.3	69.3	75.3	47 • D	73.5	95.6	77.3	99.7	79.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400		62.3	69.2	75.3	89.0	23.5	95.6	97.3	99.	99.7	99.7	99.7	94.7	99.7	99.7	. ? 9 • 7
≥ 300	٠ • '	62.3	63.2	75.3	5 P .	73.5	95.6	07.5	30.N	100 • U	100.00	100.0	160.0	100.0	130.0	100.
≥ 200	•	45.5	6 . 2	75 . 3	98.	3.5	95.6	37 ~ b)	n	100.0	100.0	100.0	tgn•b	រ្≏០.ជ	100.0	100.0
≥ 100		57.3	69.2	75.3	8 .	3.5	95.6	91.6	C • ₽i	100.0	132.0	100.0	100 <b>.0</b>	100.0	100.0	100.0
≥ 0		62.3	60.2	75.3	88	3.5	95.6	77.6	130.90	100.0	100 Oi	100.0	137.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_\_\_

DIPMANUCEANMET SMOS

- NAVA, WEATHER SERVICE CETACHNEST ASHEVILLE NO

1, JS AN. 73-82

AUC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING	_				_		VISI	BILITY (STA	ATUTE MILI	(S)					_	
.FEET	≥ 10	≥ 6	2 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 14	≥ 1%	≥ 1	≥ %	≥ 4	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	1	21.0%	2 ' • 1	25.2	29.5	30.1	30.9	1.4	31.6	31.7	31.0	32. 1	32.0	22.j	32.7	37.5
≥ 20000	^•	16.9	30.0	73.7	39.9	19 . 8	40.7	41.7	41.9	42.2	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000		19.	31.0	33.0	30.2	39.9	40.8	41.5	42.1	42.3	42.5	42.6	42.6	42.6	42.5	42.6
≥ 16000	•	79.1	31.1	33.1	39.3	40.0	40.7		42.7	42.4	42.6	42.7	42.7	42.7	42.7	42.7
≥ 14000	• •	. 4	3	35.4	41.	41.0	42.0	.4.7	44.2	44.5	44.7	44.7	44.7	44.7	44.7	44.7
≥ 12000	• `	3.4	35.3	19.	45.4	46.4	47.5	48.7	48.9	49.2	47.4	40.5	44.5	49.5	49.5	49.5
≥ 10000°	4	37.4	4 . 4	43.9	51.2		53.3	55.2	55.5	55.8	54.D	E6.1	54.1	56.1	56.1	56.1
_ ≥ 9000		37.F	40.5	44.2	51.7	53.	54.3	55.7	55.7	50.3	56.5		56.6	56.6	56.6	56.6
≥ 8000	17.2	46.5	43.0	47.7	55.9	<b>7.4</b>	59.2					61.5	61.6	61.5	61.6	61.6
≥ 7000	· • · ·	୍ୟ ଅ•ଞ୍	44.3	4 4 • 1	55 <u>.3</u>	57.8		61.1	61.3		62.	62.1	67.1	62.1	6 <u>5</u> • 1	62.1
≥ 6000	7.	3 • 1 •	44.7	48.7	57.1				62.3			63.0	63.0	63.0	63.0	63.C
≥ 5000	. 3 •?.	۽ جو آھي. آ	44.0	59.1	-5 <u>∨•1,</u>	20.7		54.1	54.5	64.9	65.1	<u>.65</u> •2.	65.7	65.2	65.2	65.2
≥ 4500	4.1	43.2	47.1	1.5	01.0	(2.3				67.2	67.5	67.6	67.6	67.6	67.6	67.6
≥ 4000	•	. 4 <b>4 •</b> 5.	4 . 4	. 3 • <u>·</u>	63.1	45.0	67.1.	69.1	69.5	69.9	16.5	70.3	70.3	70.3	70.3	70.3
≥ 3500	41.	45.7	4 - 7	54.4	65.0	67.2	69.4	71.5	72.7	72.4			72.7	72.7	72.7	72.7
≥ 3000	••1	. <u>*</u> * • 2,	57.6	£7.6,	68.9	71.3	73.8	76.1	- +	76.9	77.1	77.2	77.2	77.2	77.2	77.2
≥ 2500	4 . • 5	50.0	54.4	5 • 9	- •	74 - 3		79.4	70.8	90.2	80.5	87.6	60.6	80.6	80.6	80.6
≥ 2000	• '• ?	51.	56.6	62.4	75.6	78.2		· 3 · 7,	+	84.7	85.0	85.1	₹ <b>5 • 1</b>	85.1	85.1	85.1
≥ 1800	• "	11.5	56.7	62.4	75.7		81.5	23.9		84.9	85.2	95.3	85.3	85.3	85.3	85.3
≥ 1500	• .		53.9	64 - 8	73.9	22.1	55.5	58.1	88.9	89.5	69.5	89.9	89.9	89.9	89.9	89.9
≥ 1200	• 3	< 4 . 5 ·	57.4	(0.1	81.2			91.3	91.4	92.5	92.9	93.0	93.0	93.0	93.0	93.0
≥ 1000	* * * *	رز و د د .	63.5	96.3	82.4	5 . 6	89.7	92.7.		94.5	94.9	95.1	95.1	75.1.	95.1	95 - 1
≥ 900 > 800	4	.5.0	6 •	66.7	82.4		-			94.5	•	95.1	95.1	95.1	95.1	95.1
_ •••	• 🕍	[5.]	63.9	5 5	83.3	16.7	90.9		95.1	96.0	96.6	96.7	96.7	70.1	Y5 . /	96.7
≥ 700 > <b>60</b> 0	• •	~5.4	61."	67.8		67.0	91.4			96.5		97.3	97.3	97.3		97.3
_	}		D 1 0 2,	68.7	84.0	37.5			96.6			98.3	_	98.3	98.3	90.3
≥ 500 > 400	7	55 • 7:	61.4	68.3	84.4		92.6		- 1	98.4					99.3	
	3 • 4	2007	41 6	68.5	84.7	98.1		96.1			99.4	99.6		9.6	99.6	
≥ 300 > 200	J. 4.		61.5	68 · 5	-	88.2				99.0						
-	3.4	55.9	D 1 • 5	68.5	84 . 7	88.2				99.0						
≥ 100 > 0				1				- 1	_	99.0						
	1104	55.9	010:	0.3 . 5	84.7	88 • 2	92.9	75.4	780	99.0	74.7	77.9	ل 1 و لا د. ا	$\mathbf{U}\mathbf{U} \bullet \mathbf{U}_{i}$	100.0	ن و پايا

TOTAL NUMBER OF OBSERVATIONS 21° 8

NAVA, WEATHER RESIDENCE TEXACOMETE A DESCRIPTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
.FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 7	<u>≥</u> 1%	≥ 114	≥ 1	≥ ъ	≥ 4	≥ n	≥ 5/16	≥ 4	≥ 0
NO CEILING	•	71.5	21.7	21.9	26.0	.6.0	21.05	26.6	26.6	26.6	26.6	26.6	25.6	26.6	26.6	26.6
≥ 20000	. 4	25.4.	25.	26.0	33.2	30.2	30.0	70.8	30.4	30.8	30.8	30 8	37.8	30.0	30.8	30.8
≥ 18000	, a 🗸 🧐	25.4	25.	26.0	37.0	30.2	30.8	70.8	37.8	30.8	30.8	30.8	30.8	30.8	30.8	30.8
≥ 16000		25 . 4:	250-	2604	34.2	30.2	30.8	70.8	37.8	36.06	30.9	30.8	30.8	30.8	30.8	32.8
≥ 14000	-4.	25.4	25.0	26 • 0	30.2	33 • 2	30 - S	30.8	37.5	30.8	33.8	30.8	30.6	30.8	30.8	₹€.8
≥ 12000	1.4	32 <u>.5</u>	34.0	34.0	40.2	40.2	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41 44	41.4	41.4
≥ 10000	. 7 • 4	+1 - 4	43.3	43.0	49.1	49.1	50.3	50.9		59	50.9	52.9	5: 9	50.9	50.9	56.9
≥ 9000	4. •	.2.€	4 . 0	4 . 0	50.3	50.3	51.5	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 2000	4 . •	46.5	40.7	49.7	55.6	5.6		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 7000	· ·	46.3	49.7	49.7	55.6	5.6		7.4	57.4		57.4	57.4	57.4	57.4	57,4	57.4
≥ 6000	4 • 6	47.3	5 . 3	~ ^ • 3	56.2	56 . A	58.0	3.6	58.6		58.6	58.6	58 • 6	58.6	58.6	
≥ 5000	46.	48.5	<u>51.5</u>	<u>51.5</u>		58.6	<del> </del>	5 . 4	60.4		60.4	60.4	<b>60.9</b>	60.4	60 • 4	50.4
≥ 4500	4' • 7	51.5	55.		62.7	63.9		65.7	55.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 4000	_ 33 و 5 د	. ٤٥, د	61.0,	-52 e l.	71.0	72.2	73.4.	. 74 e C	<u> 75 • C</u>		74.0	74.0	74 • C	74.0	. 74.0	74.0
≥ 1500 > 3000	4.4	* 5 · 2	62.1	43.9	74.6		76.9	77.5			77.5	77.5	77.5	77.5	77.5	77.5
	5 • 6	21.	6 .	65.1.	7 <u>6.9</u>		79.3.	72.9	79.9	79.9	. <u>7° •9</u> ,	79.9	.12.9.	. <u>12•9</u> ,	19.9.	. 19.9
≥ 2500 ≥ 2000	5.6	5/.4	6 1 . 7	65.7	77.5	79 • 3		1.1	81.1	81.1	81.1	81.1	51.1	81.1	81.1	81.1
-	. ક્રમ •્ટ્રે.		5557	- p p • Y	79.3.		. BZ.e 3.	- 3.4	332.	83.4		2349.	23.4	9.3	. B 5 . 9.	. 83.4
≥ 1800 ≥ 1500	90 • Z	56.	65.1	66.9.	79.3	31.1	82.3	75.4	33.4	93.4	83.4	85.4	83.4	85.4	85.4	83.4
-	ج الحجاد	58.6	00.5	68.1	3 4 4	94 o f	. <u>₽.₽.₽.</u> ₽.₽.₽.	<u>88,2,</u> 92,3	92.3	. <u>₽₽±4,</u> 92.3	92.9	97.9	97.9	- 20 a Z	60.4	88.2
≥ 1200 ≥ 1000		57.2	66.9	62.6	34.6	69.4	89.9	95.9	97.0	97.6	7247	92.9	72.7	92.9	92.9	92.9
_	. ⊃5•4. 50•2	59.2	66.9	63.8	87.0	89.4	92.9.	95.9	97.7	97.6	98.8	7.9.9.	7 T R D.	70 . 0	7.9 + 2	98.8
≥ 900 ≥ 800	56.	59.5	67.5	70.4	87.6	89.9	93.5	96.5	97.6	98.2	70 a G	70.0	90 4	00.4	00.0	99.4
-	56.	59.5	67.5		97.6	39.9	,	96.5			99.4	99.4	99.4	2217;	99.4	99.4
≥ 700 ≥ <b>600</b>	56.	59.8	67.5	70.4	88.2	90.5	94.1	97.D	- · i	98.8			. • .		100.0	
≥ 500	56.	59.8	67.5	7	88.2	20.5	94.1	97.0			100.0		****	***		
≥ 400 ≥ 400	56.	59.8	67.5	7 .4	88.2	70.5	94.1	97.3	98.2		100.0				100.0	
≥ 300	56.	59.8	67.5	7- 4	88.2	90.5	94.1	97.C	98.2		100.0		~= ~ ~ ~			
≥ 200	56.4	59.8	67.5	7 .4	38.2	93.5				98.8				- 1	100.0	
	56.	59.8	67.5	75.4	89.2	90.5				98.8						
≥ 100 ≥ 0	56 e 3.			70.4	88.2	90.5	94-1	97.0		98.8						

DIPNAVOCEANMET SMOS

11

. 15

\$50 SEP STATION NAME TRANS BOOTS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)			· · · · · ·			
(FEET)	≥ 10	2 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ %	≥ 4,	≥ %	≥ 5/16	≥ \.	≥ 0
NO CEILING	•	11.	24.3	20.1	29.1	29.1	29.1	24.7	33.3	30.3	3C.3	30.3	30.3	33.3	30.3	30.3
≥ 20000	1.	. 3 •	25.5	20.5.	31.5	31.5	31.5	72.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 18000	1.	23.	2: • *	23.5	31.5	31.5	31.5	32.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 16000	1.	23.	25.5	? 5 . 5	31.5	31.5	31.5	32.1	32.7	32.7	32.7	32.7	32.7	32.7	32.7	32.7
≥ 14000	1.	23 €€	25.5	? c • 5	32.1	22.1	32.1	32.7	33.7	33.3	33.3	33.3	33.3	33.3	33.3	33.5
≥ 12000	• 7	:6.5	3 • 4	73.4	3.9 .	38 . 2	38.2	3 - 6	35.4	39.4	39.4	39.4	33.4	39.4	39.4	39.4
≥ 10000	11 .0	37.	47.4	45.5	47.7	47.7	49.7	50.3	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 9000		18.8	44.2	47.3	51.5	51.5	51.5	52.1	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 8000	· (1) 🛊 (1)	42.4	47.7	52.1	50.4	56.4	56.4	57.0	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
≥ 7000	41.	43.E	4 7 • 1	53.9				59.4						60.0	60.0	60.D
≥ 6000	_		4 7					61.0						60.6	67.6	60.5
≥ 5000	43.5	44.0	50.3	55.2	61.2									62.4	62.4	62.4
≥ 4500	44.	4 5 . 7	52.1	57.6	64.9	64.9	64.9	66.1	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 4000	• 3	£2.7	60.0	63.5	77.C	77.6	77.6	79.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3500	, ,	.2.7	6 . ?	63.5	77.0	77 . to	77.6	78.8	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 3000	2 • 1	55.2	63.0	71.5	81.2	01.8	82.4	23.€	84.2	84.2	84.2	84.2	94.2	84.2	84.2	84.2
≥ 2500	12.1	15.2	64.?	73.3	83.	34.2	84.9	26.1	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2000	3 • 3	56 . 4	65.5	74.6	65.5	16.7	67.3	89.1	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1800	3.3	56.4	65.5	74.6	85.5	66.7	87.3	89.1	87.7	89.7	89.7	89.7	89.7	69.7	89.7	89.7
≥ 1500	3.3	56.4	65.5	74.6	86.1	38.5	1.03	99	91.5	91.5	92.1	92.1	92.1	92.1	92.1	92.1
≥ 1200	3.3	56.4	65.5	75.2	87.3	90.3	90.9	92.7	93.9	93.9	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	1 • 3	56.4	65.5	75.2	87.3	40.3	90.9	93.9	95.8	95.8	97.0	97.0	97.0	97.5	97.0	97.5
≥ 900	7 • 3	55.4	65.	75.2	87.3	90.3	90.9	93.9	95.R	95.8	97.3	97.0	97.0	97.0	97.7	97.3
≥ 900	1.3	56.4	66.1	75.8	88.5	91.5	92.1	75.2	97.0	97.0	98.2	98.2	98.2	98.2	98.2	93.2
≥ 700	3 • ذ	56.4	66.1	75.8	88.5	71.5	92.1	75.2	97.6	97.6	98 . 8	98.8	96.8	98.8	98.8	98.8
≥ 600	7.3	56 . 4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	-3.3°	50.4	66.7	70.4	89.1	92.1	92.7	95.8	98.2	96.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	33.3	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	96.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	] ` 3 • 3`	56.4	66.7	76.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	53.3.	56.4	65.7	75.4	89.1	92.1	92.7	95.8	98.2	98.2	99.4	99.4	99.4	99.4	99.4	100.0
≥ 100		· <b>•</b>	66.7	76.4	89.1	92.1		95.8						99.4	99.4	100.00
≥ 0	7. 7	56.4	66.7	74	89.1	- 1			- 1	- 1			-	_	- 1	

TOTAL NUMBER OF OBSERVATIONS 155

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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CEILING							VISI	BILITY (ST.	ATUTE MILI	ES)						
:FEET*	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ⊾	≥ 4,	≥'n	≥ 5/16	≥ 4	≥ 0
NO CEILING ≥ 20000	11.7		_	_	21.7				- (	1	+	,		29.5. 36.3	-	
≥ 18000 > 18000	. 5	18.5	2 .2	21.6	27.4	.9.5	30.2	34.6	35.3	35.6	35.6	36.0	36.3	36.3	36.3	36.6
≥ 14000 ≥ 12000	17.1	18.5. 16.3	2C+6	21.9	28.4	30.5	31.9	35.6	36.5	37.0	37.0	37.3	37.7	77.7	77.7	38.0
≥ 10000	11.	21 e 24 • B	25.7	27.4	32.5) 36.1		36.3							47.5	47.5	42 · 8
≥ 9000 ≥ 8000	23.0	<del>24 . 7.</del> 26 . 7		<u> 26.1;</u> 31.2	36 a6.		41.1 45.9							48.3. 53.4	48 <u>.3,</u> 53.4	53.8
≥ 7000 -> 4000	24.3.	27.7	29±1,	31.5	41.4.		46.2							53.8 54.8	53.6. 54.8	54.1
≥ <b>500</b> 0		72.1	3C . 5.			46.7.	49.0	54.8	55.8	56.2	56.2	56.5.	5649	56.9.	56.9	57.2
≥ 4000	. 1. 💇 👢	33.5		43.2		57.9	61.0	67.3	69.7		70.2	70 . 6.			70.9.	71.2
≥ 3500 ≥ 3000	33.	36.0	4 .E.	47.6.	67.6	6400	68.2.	75.3	7R.1	78.4	79.4	76.8	72.1	79.1	79.1.	79.5
≥ 2500 ≥ 2000		38.4 39.7		51.0	65.1	68.5	73.		83.6.		83.9	84.3	84.6	92.2 ,54.6,	82.2 84.6	
≥ 1800 ≥ 1500	-	39.7 40.0					73.0	-						94.6 98.7,		84.9
≥ 1200 ≥ 1000	5 • 6	-	-						-			-		91.1 94.9		91.4
≥ 900 ≥ 800	ه د	41.8	-		69.2	72.6	79.8	88.7	93.2	93.8	93.8	94.5	94.9	94.9		
≥ 700 > 400	3.06	40.5	45.6	54.1	70.9	74.7	81.2	41.4	96.2	98.0	98.0	98.6	99.C	99.0	9.0	99.3
≥ 500	31.5	40.P	45.6	54.1	70.9	74.7	81.5	91.8	96.0	98.6	98.6	99.3	99.7	79.7	99.7	10.0
≥ 300	16.6	40.5	4 - 6	54.1	70.9	74.7	81.5	91.8	96.9	98.6	98.6	99.3	99.7		99.7	0.00
≥ 200 ≥ 100		47.8												99.7		
≥ 0	25.6.	45.8	4 . 6	54.1	72.9	74.7	41.5	91.8	96.0	98.6	98.6	99.3	99.7	99.7	99.7	ine al

TOTAL NUMBER OF OBSERVATIONS 292

DIRNAVOCEANMET SMOS

NAVAL MEATHER SERVE ELECTADOMINAL ASHEVING EL NO

#### **CEILING VERSUS VISIBILITY**

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#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) PEET 2.1% , ≥ 1 24.2 25.6 30.1 ≥ 20000 > 18000 ≥ 16000 > 14000 ≥ 12000 30. 35. ≥ 10000 ≥ 8000 ≥ 7000 ≥ 6000 ≥ 4500 3500 3000 -1 42.6 50.2 57.1 72.3 74.4 75.8 77.5 78.2 78.6 78.9 78.9 74.9 74.9 74.9 78.9 76.9 ≥ 2500 ≥ 2000 1800 1000 900 800 300 200

J.1 45.3 54.3 61.3 63.4 67.5 91.7 95.9 97.9 98.6 99.3400.0800.0800.0800.0800.08

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET

SEF

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17-73

VISIBILITY (STATUTE MILES) FEET NO CEILING 24.2 24. P 24. 3 24. 8 24. 8 24. 8 24. 8 24. 8 24. 8 24.8 24.8 24.8 22.5 23.6 51.5. 32.7. 33.7. 34.7. ≥ 20000 34 . 7. > 18000 23.7; 34.7, 34.7, 34.7; 34.7; 34.7; 34.7; 34.7; 34.7; 34.7; 34.7; 34.7; 34.7; 34.7 ≥ 16000 71 . 3. 32 . J. Tu.4: 37.8: 37.8: 37.8: 37.8: 37.8: 37.8: 37.8: 37.8: 37.8: 37.8: ≥ 14000 ≥ 12000 77-1, 30-8, 45-1, 41-8, ≥ 10000 ≥ 9000 40.5 42.5 44.6 46.0 47.3 47.3 47.6 47.6 47.6 47.6 47.6 47.6 47.6 ≥ 8000 > 7000 ≥ 6000 ≥ 5000 •U; 54•1 58.2 53.8 58.8 59.8 58.2 53.1 57.1 58.3 5 F . A 4500 ≥ 4000 4 . 6 52 . 4 ≥ 3500 ≥ 3000 2 500 2000 1800 1 500 61.2, 65.7, 73.5, 82.3, 74.2, 66.1, 57.1, 57.4, 87.4, 87.8, 87.8, 87.8, 87.8, 87.8, 87.8, 87.8, 87.8 73.8 83.3 55. 37.4 98.8 89.1 89.5 89.8 89.8 89.8 89.8 89.8 89.8 67. 1200 1000 27.1 89.5 91.8 92.5 93.2 93.5 93.5 93.5 93.5 93.5 93.5 93.5 61.6 67.4 74.2 85.C 61.6 67.4 74.2 35.4 7.8 9:1 92.5 93.2 93.9 94.2 94.2 94.2 94.2 94.2 94.2 800 61.6 67.4 61.6 67.7 700 61.6, 67.7, 74.8, 87.4, 90.1, 93.2, 95.9, 96.9, 98.0, 98.3, 98.3, 98.3, 98.3, 98.3, 98.3, 98.3 61.9 68.4 75.2 27.8 90.5 93.5 96.3 97.3 98.6 99.0 99.0 99.0 99.0 99.0 99. 500 400 75.7 87.8 90.5 93.5 C6.3 97.6 99.0 99.3 99.3 71.2 87.8 90.8 93.9 96.6 93.0 99.3 99.7 99.7 99.3 99.3 61.7 69.1 99.7 99.7100.0 61.9 68.0

TOTAL NUMBER OF OBSERVATIONS 294

DIRNAVOCEANMET SMOS

MALAL MEATHER NERONG DETAILMENT ATHEATHE N

CATTO TEN GALA A

- NAVA, ALATORE LESSON ELECTASOMETAL AUROLOGIE NO

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

15

CEILING							VISI	BILITY (ST	ATUTE MILI	ES)						
FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	2 24	≥ 2	≥ 1%	≥ 114	≥ 1	2 h	≥ 4,	≥ %	≥ 5/16	≥ 1₀	≥ 0
NO CEILING	1.	23.	2 %.**	77.3	? .6	73.6	23.6	23.6.	23.6	23.6	27.6	23.5	23.5	23.6	23.6	23.6
≥ 20000		2 .1	37.8	71.2	31.7	1.0	31.7	31.9	31.	31.9	31.9		,	31.9	31.9	31.9
≥ 18000	ı i	7.	31.5	₹1.	3: . 5	32.5	32.5	72.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 16000	. 1	3 C •	31.5	31.9	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 14000	1.	23.€	34.3	33.3	36.3	76.3	36.3	36.3	36.3	36 . 3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 12000	7.06	19.4	40.8	42.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000		45.7	45.9	42.3	52.4	52.4	52.4	52.4	52.4		52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	- 1	45.2	46.9	48.3	52.4	52.4	52.4	52.4	57.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
	4.5	47.5	50.0	1.4	55.8		56.2	56.2		56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 9000 ≥ 7000	4 . 5	4 5	50.3	72.1	55.5	50.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
F - 1	40	40.0	51.4	3.1	57.5	58.2	58.2	58.2			55.2	58.2	59.5	58.3	58.5	53.2
≥ 4000 > 5000		6	52.4	54.5	6 . 3	61.0	61.7	61.C	61.0	61.0	51.0	61.0	61.0	61.B	61.0	63.7
-	47.6	51.	54.5	56.9	63.7	60.4	64.4	64.7			65.1	45.7	6 - 1	45.1	68.1	65.1
≥ 4500 > 4000		54.1	52.2	61.3	65.8	69.9	70.2	73.6	70.9	74.9	76.9	70.9	70.9	70.9	70.9	70.9
<b>}</b> −	1.4	56.2	60.3	63.4	71.2	72.3	72.6	73.3	73.6	73.6	73.6	73.6	- <del>-</del>	73.6	77.6	73.6
≥ 3500 > 3000	4	59.9	64-4	47.8	76.7	78.4	79.5	10.1	80.5	83.5	80.5	RC.5	94.5	80.5	80.5	80.5
		61.3	65.8	69.9	79.1	F1.2	82.2	2.9	B3.2	63.2	83.2	83.2	- 2 3	67 S	ÄŽ.Z	83.2
≥ 2500 > 2000		- 53 e al	60.2		,		85.3	36.0	24	86 7	0 2 0 2	0302	0/ 7	7202	95.3	
-		43. 7		72.3	62.2	34.3		16.0	86.3	86.3	00.0	86.3	66.3	86.3	86.3	86.3
≥ 1800 > 1500	57.2					£4.3	35.3				86.3					86.3
≥ 1500	1 2 • 5	6 <b>4</b> • 4	60.2	73.3	£4.3	36.3	87.7	88.7		89.0	7 7.4.	89.0	89.0			89.g
≥ 200		45.8	7 . 9	75.0	86.6	P9.7	91.1	92.1		92.5		92.5		92.5	92.5	92.5
≥ 1000	54.5	66.1	71.2	76.4	85.7	91.8	93.5				96.2		96.2	96.2		96.2
≥ 900	7.6	50 . 1	71.2	76.4	89.	92.1	93.8		95.9		96.6	96.6	96.6	96.6	96.6	
≥ 800	57.6	66.1	71.2	76.4	89.4	42.5	94.9		97.3				~ •	98.0	98.0	
≥ 700	7.6	56 • 1	71.2	76.4	89.7	92.8	95.2	96.6	97.6			98.6	98.6	98.6	98.6	98.6
≥ 400	• 5	56 · 1	71.2	76.4	90.1	93.2	95.6	97.3	98.3			99.3		99.3	99.3	99.3
≥ 500		66.1	71.2	76.4	90.1	\$3.2		97.3		99.0					99.3	99.3
≥ 400	_ ? • <b>6</b> .	66.1	71.2	76.4	97.1	93.2	95.6	^7.3			99.0	99.3		99.7		99.7
≥ 300	i	66.1	71.2	76.4	911.1	93.2	95.6	97.3		1		- 1		100.0		
≥ 200	6	66.1	71.2	76.4	97.1	33.2	95.6	97.3	95.3		99.3			100.0		
≥ 100	1 1 6	56 • I	71.2	76.4	4.1	93.2	95.6	97.3	96 - 3		99.3	- 1	;	100.00		
≥ 0	39.6	66.1	71.2	76.4	91 . 1	93.2	95.6	77.3	98.3	99.3	99.3	99.7	100.0	100.00	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 29

DIRNAVOCEANMET SMOS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING ≥ 15 ≥ 15 ≥ 1 ≥ 3 24.7 25.3 71. 7 26. 3 76. 4 26. 4 26. 4 26. 3 26. 8 26. 9 26.8 26.4 26. NO CEILING 2.1 27.4 ≥ 20000 33.7 33. 34.7 34. ≥ 18000 30.0 33.1 34.7 34.7 38.9 39.9 ≥ 16000 38.5 ≥ 12000 39.9 42.6 45.4 45.4 35.4 37.8 ≥ 10000 ≥ 9000 43.3 47.8 51.2 51.2 19.9 43.4 41.1 50.9 9000 7000 ≥ 6000 3000 43.3 46.7 45.4 56.4 56.4 59.8 61.5 62.7 62.7 67.5 67.5 62.5 62.5 ं 2 • वें 6 🚟 45.1 45.1 49.1 63.2 65.3 67.4 69. 68.4 6F.4 63.4 68.4 6:4 4500 4000 55.d 55.6 (9.1 71.1 73.5 74.4 74.9 74.9 74.9 74.9 74.9 56.1 60.8 73.5 76.1 78.4 79.4 79.7 79.7 79.7 79.7 47.4 51.6 55.0 65.6 44.A 44.A 54.6 ≥ 3500 > 3000 <u>></u> 2500 2000 4 - 1 52 - 4 57 - 4 61 - 2 74 - 6 78 - 7 81 - 4 64 - 9 85 - 3 85 - 9 86 - 9 86 - 9 86 - 9 86 - 9 86 - 9 86 - 9 4.9 86.1 86.9 86.9 86.9 86.9 86.9 86.9 86.0 4 .. 1 52.6 57.4 61.2 74.6 78.7 81.4 ≥ 1800 4 . 4 52.9 59.1 61.9 75.6 79.7 82.8 36.6 89.0 28.7 88.7 88.7 88.7 88.7 88.7 88.7 88. 59.1. 61.9 76.6 F1.1 84.5 39.4 9.7.7 91.4 91.8 91.8 91.8 91.8 91. <u>≥</u> 1200 94.2 94.2 94.2 94.2 ¥ ¥ 900 800 4. .7 53.3 53.8 62.5 78.0 82.5 85.9 91.8 93.8 95.9 96.0 97.3 4. .7 53.3 58.8 62.5 79.7 83.2 86.6 92.4 94.9 97.3 98.3 98.6 <u>97.3</u> 97.3 <u>97.3</u> 97.3 97.3 98.6 98.6 <u>></u> 700 41 . 7 1 3 . 3 5 9 . 6 62 . 5 7 9 . 0 43 . 5 86 . 4 93 . 1 95 . 5 97 . 9 99 . 0 99 . 3 99 . 3 99 . 3 99 . 3 99 . 46.7 53.3 53.8 52.5 500 400 46.7 53.3 62.5 50.8 53.3 59.1 62.9 79.4 300 53.3 57.1 62.9 79.4 83.9 87.3 93.5 95.9 98.3 99.3100.0100.0100.0100.0100.0 200 2 100 46.7 53.3 50.1 62.9 79.4 53.9 87.3 93.5 95.9 98.3 99.3100.0100.0100.0100.0100.01

TOTAL NUMBER OF OBSERVATIONS

29

DIRNAVOCEANMET SMOS

NACAS MEATING OF THE EXPENSE OF STATE ASSETS.

48

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NAVAL MEADER SERVICE DESAURY NA ASHEVELE NO

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MILE	.\$1						
,PEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2'5	2 2	≥ 1 <sup>1</sup> 3	≥ 1%	≥ 1	≥ 4	≥ 4	≥ h	≥ 5/16	≥ .	≥ 0
NO CEILING ≥ 20000	• 1	23.0	3 . 3	27 3	30.0	11.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7	31.7
≥ 18000 > 16000	• !	26.9 27	3 . 3	71.	33.5	24.5	35.5	35.5 75.5	35.5 35.5	35.5	35.5	35.5	35. <b>5</b>	35.5	35.5	35.5
≥ 14000	7	29.0	_	2.4	35.2	36.2	37.3	77.3	37.3	37.5	37.3	37.3	37.3	37.3	37.3	37.3
≥ 12000	1.4	42.2	4 = . 6	40.7	51.7	42.a	54.4	-	54.4		54.4	54.4	76.4	54.4	54.4	54.4
≥ 9000 ≥ 8000		45.1	13.2	1.2	53.0 57.1	58.9	55.4	55.4	55.4	55.4 51.0	55.4	55.4 61.0	55.4 61.0	55.4 61.3	55.4 61.1	55.4
≥ 7000		47.4	51.0	57.6 53.7	58.5 59.6	60.3	62.0	53.4			62.4	62.4	63.4	63.4	62.4	62.4
≥ 6000 ≥ 5000	4 .6	5 4	54.7	56.1	62.3	54 • 1	65.9	66.7	66.7	56.2	66.2	66.2	66.2	56.2	66.2	66.4
≥ 4500 ≥ 4000	1.00 م رزه ک	55.4	5 f • 1 6 • 6	€ 3 • 1	77	73.5	68.6 75.6	76.7	76.7	76.7	76.7	76.7	76.7		76.7	76.7
≥ 3500 ≥ 3000	2.3	57.3 59.6	65.5	69.6	74.2	77.4		9 • 1	80.1 83.6	80.1	60.1 33.6		81.1 53.6	80.1	80.1	PC - 1
≥ 2500 > 2000	5.1	. și	66.8	69.3	73.6 80.8	91.9 84.D		25.0	87.5		85.4	87.5	85.4	85.4	85.4	85.4 97.5
≥ 1800 ≥ 1500	5.4	6 3	65.9	7.,7	80.8	84.0	36.1 87.5	98.5	87.5	87.5		87.5	67.5 89.2	87.5	87.5	87.5
≥ 1700	1	61.	67.6	71.4	82.2	F7.1	89.9	91.3	2.0	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1000 ≥ 900	5	51.3	68.3	72.5 72.5	84.3 84.3		92.7		96.2		96.9°	96.9 96.9	96.9			96.9
≥ 800 ≥ 700	50.5	£1.3	68.3	72.5	84.3		93.4		97.5		98.6		98.3 98.6	98.3		98.3
≥ 400	55.5	_ 7 1	68.3		85 • D	90 · 2	94.4				99.3				99.3	
≥ 500 ≥ 400	6). <u>e</u>	61.3		72.5	85.0	20.2	94.4	96.9	08.3	99.7	99.7	99.7	99.7		99.7	99.7
≥ 300 ≥ 200	5 5	61.3	64.5	72.5	85.4	90.6 90.6	94.8	97.2	98.61	00.01	00.01	00.01	00.0	100.0	00.0	100.0
≥ 100 ≥ 0		61.3		72.5										100.00 100.00		

DIRNAVOCEANMET SMOS

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2 14000   1 14000   2 1400	VISIBILITY (STATUTE MILES)															
2 10000 3 10000 3 100000 3 100000 3 100000 3 100000 3 100000 3 100000 3 100000 3 10000	. ≥ 6	≥ 10	6 ≥ 5	2.4	≥ 3	≥ 24	≥ 2	≥ 11 <sub>9</sub>	≥ 1%	≥ 1	≥ %	≥ 4	2 %	≥ 5/16	≥ .	≥ 0
2 18000 2 14000 2 12000 2 10000 2 10000 2 10000 3 10000 3 1000 3 1000 3 1000 4 4000 2 1500 4 400 3 1000 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	111.	•6	1.1 22.0	23.7	26.2	~6.1	27.2	27.7	27.0	27.9	27.9	29.4	26.0	28.7	28.7	20.0
2 10000 2 10000 2 10000 2 10000 2 10000 2 7000 2 7000 2 4000 2 3000 2 10	76.	•	6.4 28.d	27.4 3	32.4	73.0	33.6	34.2	34.3	34.4		34.4	34.5	34 . 5	34.5	34.5
2 14000 2 12000 2 10000 2 10000 2 10000 2 10000 3 4000 3 4000 3 1000 3 1000 4 1000 3 1000 4 1000 3 1000 3 1000 4 1000 3 1000 4 1000 6 1000 6 1000 6 1000 6 1000 6 1000 6 1000 6 1000 6 1000 7 1000 6 1000 6 1000 7 1000 7 1000 8 1000	10.	, .	១.គំ 2៦.គំ	79.6 3	32.6	73.3	33.0	34.4	34.6	34.6	34.5	34.7	34.7	34.7	34.7	34.3
≥ 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 ≥ 4500 ≥ 4600 ≥ 3000 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1000 ≥ 1	. 6 •	• •	5.7 22.3	29.64	37.6	33.3	33.9	34 . 4	34 . 5	34.4	34.6	34.7	34.7	34 . 7	34.7	34.3
≥ 10000 ≥ 9000 ≥ 4000 ≥ 4000 ≥ 4000 ≥ 3000 ≥ 15	1 3.		1.1 20.4	31.5	34 . 8	75.6	36.1	36.7	36.7	36.9	36.5	37.0	37.d	37.d	37.0	37.1
2 4000 2 4 5 5000 2 150	1 72.		2.1 35.1	36. 4 4	41.4	42.1	43.0	43.5	43.8	4 9	43.9	43.7	44.0	44.3	44.0	44.0
≥ 9000	4 17.	,	7.3 4 .2	1 . 3 4	47.7	48.7	49.0	5 3.6	50.9	511.9	5 ∴ ल	50.4	51.0	51.d	51.0	51.0
≥ 7000 ≥ 4000 ≥ 4500 ≥ 4500 ≥ 3500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 170	1 15.		5.1 42.9	45.9 4	43.4	49.5	50.3	51.3	51.5	51.6	51.9	51.7	51.7	51.7	51.7	51.8
≥ 7000 ≥ 4000 ≥ 4500 ≥ 4500 ≥ 3500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 1500 ≥ 170	i .c.		6.2 43.5	40.7 5	52.1	4.3.4	54.4	55.5	55.9	55.9	55.9	55.0	56.7	56.4	56.1	56.
2 1500	9 40.		0.6 44.0	41.6 5	52.8	54 . 1i	55.3	56.2	56.5	56.6	56.6	56.4	56.7	56.7	56.7	56.7
2 4500	2 41.		1 4 44 7	47.4	53.7	55.0	56.0	57.1	57.4	57.5	57.5	57.6	57.6	57.6	57.6	57.7
2 3000 4 4 6 3 3000 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	4 42.		2 . 3 45 . 4	47.4	56.4	6.0	39.0	60.3	30.7	60.8	60.8	60.5	60.9	60.9	60.9	66.9
2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 2 300 4 300		, †	4 . 4	- •		51.6		64.4	64.0	65.0	65.0	65.0	65.1	65.1	55.1	65.1
2 300 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	47.	. 1	7.8 52.7	57.1 6	56.2	68.3	69.6	71.5	72.1	72.2	72.2	72.3	72.3	72.3	72.3	72.3
2 2500 4 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	- 444		1 54 3	51.9 6		7.1.8	72.4	74.3	75.7	75.1	75.1	75.2	75.2	75.2	75.2	75.3
2 2500 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	7 - 1 -		1.1.50.5	61.4 7		74.6	76.3	73.4	79.2	79.3	79.4	79.4	77.5	79.5	79.5	79.5
2 1800 4 0 1 1900 4 1 1 1900 4 1 1 1900 4 1 1 1900 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<i>i</i> · · ·		59.1	(3.2 7	74.4	76.4	78.8	91.1	81.9	82.1	87.1	82.2	87.7	92.2	92.2	82.3
≥ 1900 ≥ 1900 ≥ 1000 ≥ 1000 ≥ 900 ≥ 900 ≥ 900 ≥ 700 ≥ 400 1000 2 400 2 400	= 3.		3.4 59.9	05.2	77.7	79.8	81.8	84.3	65.1	85.3	A C. E	R5.4	85.5	85.5	85.5	25.5
2 1500	5 43		ရှိ မို ကြွေရှိ	J5 . 2 7		79.3	81.9	F4 3	35.2	85.4	95.4	85.5	35.5	85.5	85.5	65.6
2 1000 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			4.6 6 .8	66.3 1	7 P . Q	31.7	84.3	87.1	88.0	88.2	PA. T	88.4	49.4	88.4	RR. M	88.5
2 1000 2 10000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 10000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 10000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000 2 1000	54		66 61 -	66.6 8	. 4	23.7	86.5	99.7	22.8	91.1	21.0	91.5	91.6	91.6	91.6	91.6
≥ 700 ≥ 700 ≥ 400 {1 • · · · · · · · · · · · · · · · · · ·	9 5	, , -	5.1 61.5	67.4 8	11.9	35.4	88.6	92.3	93.9	94.7	95.1	95.2	95.2	95.2	95.2	95.3
≥ 800 ≥ 700 ≥ 400 ≥ 500 ≥ 400	7 .5		5.1 61.5	67.4 8		15.6	88.8	92.6		95.1	95	95.5	98 . 6	95.6	95.4	95.6
≥ 700 ≥ 600 100 ≥ 500 ≥ 400	n "5.	. 1	5.2 61.3	67.8 8		96.6	90.0	94 . 2	96.1	97.1	97.6	97.8	97.9	97.9	97.9	97.9
≥ 400 {1 • C • 2 • 400 }	n 65.		1. 4			36.9			96.5		98.1	98.4	98	98.4	98.4	98.9
≥ 500 ≥ 400					- 1	27.3	91.0		97.3	98.4	76.9	99.2	99.2	99.2	99.2	99.3
≥ 400	4	1 6	5 1 62 7		33.6	17.3	91.0	95.3			99.1	99.5	63.5	99.5	99.5	99.6
		والمناسب الم				7.3	91.0	25.3			99.2	99.5	99.6	99.6	99.6	99.7
·						A7:3	91.2	95.5	07.9	98.9	99.4	99.8	99.9	99.9	99.9	Ι
	A			-1		]	91.2	05.5	97.7	• -	99.4	99.8	99.9	99.9		100.0
							91.2	95.5			99.	99.8	99.4	99.9	99.9	
= 100			5.3 67.1	· · · · · · · · · · · · · · · · · · ·		87.5				98.9	-	99.8	99.9		99.9	

TOTAL NUMBER OF OBSERVATIONS 2079

DIRNAVOCEANMET SMOS

NAVA WEATHER FRANCE SETA HE STATE OF HE VIETE ME

NAVAC WEATING SERVICES ETACHMENT ACHEVILLE NO

# **CEILING VERSUS VISIBILITY**

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET:	-	VISIBILITY (STATUTE MILES)														
	≥ 10	. ≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 113	≥ 1%	2 1	2 %	≥ %	≥ %	≥ 5 16	≥ .	≥ 0
NO CEILING	•		23.4	.t.1	25.1	.19.9	30.3	31.4	31.4	31.4	31.7	31.9	31.9	31.4	31.9	31.9
≥ 20000	• .	71.3	2 - 1	23.5	34.1	74 . iq	35.1	76.7	37.7	37 . 2	37.8	37.8	37.8	37.8	37.8	77.8
≥ 18000	• •	1.1	2 - 1	्रं ५ • चें	34.6	25.1	35.6	37.2	27.9	37.9	38.3	38.3	3 ? • 3	18.3	38.3	36.3
≥ 16000	• 3	71.3	21.1	10.3	34.6	35 • 1	35.6	37.2	37.8	37.5	35 . 3	30.3	31.3	38.3	38.3	38.3
≥ 14000	٠ ١	22.3	2 1	70.7	30.6	76.2	35.7	₹3.3	38.8	38.9	39.4	19.4	39.4	39.4	39.4	79.4
≥ 12000	1.	25.7	2 . 4	33.5	36.8	39.4	39.9	43.3	42.4	42.6	43.1	43.1	43.1	43.1	43.1	42.1
≥ 10000	. 7	31.9	3 3	42.0	45.5	70.5	51.1	c 3 . 7	54.9	54.3	54.7	54.3	5.4 . 8	54.5	54.4	54.8
≥ 9000	. 7	31.7	33	42.1	47.5	50.	51.5	54.3	54.8	54.3	54.3	55.3	55.3	55.3	55.3	55.1
≥ #000		7.4	45.7	51.J	59.6	<u>/1.2</u>	62.8	55.4	56.7	56.0	66.5	66.5	66.5	66.5	66.5	66.5
> 7000	1 7	9.0		r . 5	5" . 1	61.7	63.3	66.0	66.5	56.5	67.3	( •0	67.0	67.0	67.0	67.0
	1	9.9		· ද් : - ද් :	67.1	(1.7	63.3			66.5	67.7	67.0	67.0		67.0	67.0
≥ 6000 > 5000	,	41.5	47.3	62.1	62.2	4 4	66.1	68.6	69.2	67.2	69.7	69.7	69.7	69.7	69.7	69.7
· - •			50.0	54.3	77 1 14	67.7	68.5			72.9		73.4	73.4	73.4	73.4	73.4
≥ 4500 > 4000			53.2	5 .3	70.2	72.9	74.5	77.7		79.3	79.8	79.8	70.0	79.8	79.8	79.8
, - <sub>1</sub>	,		- 1 - 1 - 2 - 2 - 3 - 3 - 3 - 3 - 3 - 3 - 3 - 3		72.5		77.7			83.	53.5	B 3 - 5	£ 3 . 5	E 3 - 5	83.5	63.5
≥ 3500 > 3000	4 - 2	-	55.0	51.2	74.5	73.2	80.3	04.6	95.6	36.2	934J	86.7	A6.7	96.7	86.7	36.7
	44 7			51.7	75.	78.7	81.4	95.6	67.7	87.3	88.3	88.3	88.3	88.3	88.3	
≥ 2500 ≥ 2000	45.3		55.9	73.3	75.5	79.3	61.9	36.2	87.8	38.3	PB . B	28.3	- : - :		00.	83.8
_				73 3	75.5	79.3	81.9	16.2	37.8	88.3		88.8	38.5	85.8	0000	
≥ 1800 > 1500	4: • ?			62.2							8.39		58.8		68.8	88.3
≥ 1500	45.2		57.5	67.3	76.1	30 • 3	. 83. 7	27.8	89.9	9.1.4	91.3			91.0		91.0
≥ 1200	4 - • *	50.0	53.5	54.4	70.3	0 • C	87.2			94.7		95.2			95.2	
> 1000	10.	1 • 1	6''•1	1 6 . U	91.4	6 • 2	89.4		96.3		97.9	97.9	97.9		97.9	
≥ 900	46.	51.1	60.1	61.0	31.4	6.2	89.4		96.3		97.0		97.9		97.9	97.9
≥ 800	46.	51.1	6 • 1	66.	22.5	27.2	9C . 4	75.2	47.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700	46.	51.1	6 1	66.3	82. व	7.2	94.4	95.2	. •	97.9	98.9	98.9	98.9	98.9	98.9	
≥ 400	40.	[1.1]	6 .1	66 · ]	82.5	^7.2	97.4	75.2	97.3	97.9	98.9	98.9	98.9		98.9	98.9
≥ 500	45.	51.1	6 . 1	60. 7	32.5	47.2	97.4	25.2	97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 400	46.	51.1	67.1	66.0	82.5	A7 . 2	90.4		97.3	97.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300	4E • "	51.1	60.1	60.0	83.0	97.8	91.7	95.7	97.9	96.4	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	46.	51.1	60.1	66.D	83.0	37.8	91.0	95.7	97.9	98.4	99.5	99.5	99.5	99.5	99.5	100.0
> 100	46.	' ii.i'	67.1	E. 6.3	<b>B3.</b> 5	£7.8	91.0	75.7	97.9	98.4	99.5	99.5	90.5	99.5	99.5	100.0
ž '7	46.	41.1	60.1	foot!	83.0	P7.8	91.0	95.7	97.3	98.4	99.5	99.5	99.5	99.5		

TOTAL NUMBER OF OBSERVATIONS 1 8

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) CEILING FEET ≥ 2 ביו ב ≥ 11. 19.0 21.0 2 - 5 30.4 30.4 30.4 30.4 30.6 NO CEILING 5.7 23. | 26. | 19. | 32. | 13. | 33. | 13. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | 35. | ≥ 20000 > 18000 ≥ 16000 73.1 2 • 1 37 • 8 73.7 33.7 74.4 35.5 35.5 35.5 35.5 35.5 35.5 35.5 26.4 29.1 32.3 33.9 33.9 34.4 35.5 35.5 35.5 35.5 23. 1 26 . F 25.5 35.5 35.5 35.5 ≥ 14000 ≥ 12000 35.1 31.3 42.1 47.5 49.7 50.3 52.5 52.5 52.5 52.5 52.5 52.5 52.5 51.4 52.5 ≥ 10000 51.7 52.5 53.6 54.6 54.0 54.6 54.6 54.6 54.6 54.6 54.6 54.6 17.2 41.5 44.3 47.7 ≥ 8000 ≥ 7000 61.2 ≥ 6000 ≥ 5000 57.5 (5.7 61.8 65.1 66.7 67.9 68.9 66.9 66.9 6.9 5.9 54.5 (6.5) 65.6 69.4 71.1 77.1 73.2 73.2 73.8 73.8 47.5 60.9 68.9 68.9 69.9 54.0 73.8 73.8 73.8 ≥ 4500 ≥ 4000 32.5 82.5 92.5 ≥ 3500 3.0 60.1 65.0 74.3 79.2 83.6 35.3 65.3 56.9 86.9 86.9 86.9 86.9 86.9 86.9 3. 4 60.7 Fa. 6 74. 9 79. 8 84.7 86. 3 47.4 88. 1 88. 0 68. 0 cf. 0 48. 0 88. 0 88. ≥ 2500 54 . 1 61 . 7 1/6.7 70.0 €1.4 56.3 98.3 87.1 87.6 87.6 89.6 89.6 89.6 89.6 89.6 89.6 89.6 61.8 66.7 76.0 11.4 56.3 33.0 84.1 84.6 84.6 64.6 84.6 89.6 1800 1 500 -61.8 69.9 79.8 36. \$ 91.3 92.9 94.€ 95.1 95.1 95.1 95.1 95.1 95.1 95.1 1200 74-1 62-3 69-4 82-1 -8-5 93-4 95-1 96-2 97-3 97-8 97-8 54-1 62-3 69-4 62-1 -8-5 93-4 95-1 96-2 97-3 97-8 97-8 1000 9 7 . 8. 97.8 97.8 97.8 97.5 900 34.1 62.8 76.0 32.5 59.1 94.5 06.2 97.7 98.4 98.9 98.9 67.8 71.0 22.4 49.1 94.5 26.2 97.3 93.4 98.9 98.9 94.0 98.9 98.9 700 70.0 82.5 37.1 94.5 70.0 82.5 89.1 94.5 600 96.2 97.3 96.4 98.9 98.9 14.1, 62.9 76.2 77.3 98.4 98.9 98.9 -4 . 1. 62 . B 98.9 98.9 98.9 98.9 500 400 4.1 62.8 7 .C 82.5 89.1 94.5 66.2 97.3 98.4 98.9 99.5 4.1 62.8 7 .C 82.5 39.1 94.5 96.2 97.3 95.4 98.9 99.5 2 300 52.5 89.1 94.5 32.5 89.1 94.5 96.2 97.3 98.4 99.9 7 . C 200 44.1 62.8. 82.5 99.5 59.5 99.5 99.5100.0 98.9 99.5 52.8 99.5 99.5 99.5100.0

62.5 70.6 82.5 89.1 94.5 96.2 97.3 98.4 98.9 99.5 99.5

TOTAL NUMBER OF OBSERVATIONS

99.5 99.5100

GIRNAVOCEANMET SMUS

100

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PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

VISIBILITY (STATUTE MILES) ≥ 10 ≥ 1% ≥ 1% ≥ 1 ≥ 5 ≥ 3 ≥ 215 ≥ 2 ≥ 🔖 ≥ % 30.7 34.9 32.2 33.5 34.2 34.9 34.3 34.0 37.0 73.9 30.5 37.6 37.6 39.3 39.7 33.9 35.6 37.5 33.6 39.3 37.7 30.7 30.7 39.7 39.7 39.7 39.7 ≥ 20000 77.5 > 18000 > 16000 . . . 1 1 1 2:1 ≥ 14000 77.1 79.5 ≥ 12000 ≥ 10000 ≥ 9000 38.0 53.0 58.0 58.0 58.0 58. ≥ 8000 7000 6000 5000 55.6 60.3 63.1 55.4 66.4 65.8 66.8 56.8 66.8 66.8 66.8 ≥ 4500 40.3 43.1 47.5 63.7 43.4 69.5 71.9 74.2 75.3 75.6 75.6 75.6 75.9 75.9 75.9 42.3 45.5 75.6 75.6 75.9 75.9 75.9 42.3 45.5 75.6 75.6 75.8 73.9 77.3 83.7 82.4 82.4 82.4 82.4 82.7 82.7 82.7 4000 ≥ 1500 ≥ 1000 42.7 47.1 17.2 57.8 71.2 77.3 99.7 84.1 95.2 66.4 86.4 66.4 66.8 86.8 85. 47.7 47.1 17.2 67.8 77.9 77.0 52.4 65.6 67.5 87.1 88.1 88.1 88.5 88.5 88.5 ≥ 2500 ≥ 2000 44.4 41.5 51.4 7 .2 73.6 79.7 23.4 46.5 88.5 89.5 89.5 44.4 4 .4 73.5 7 .2 73.6 79.7 23.4 66.2 88.6 87.5 89.5 89.5 RC.5 59.8 89.8 44.4 47.7 4.2 7 .5 /3.9 67.0 34.8 88.1 9 .9 91.9 91.9 91.9 72.2 92.2 02. 44.4 45.5 84.2 72.9 74.2 8..7 75.8 89.2 92.5 83.0 93.6 93.6 93.6 94.2 94.2 94. ≥ 1500 77.9 44.7 49.2 74.5 72.2 75.6 82.4 19.5 91.9 95.3 96.6 96.6 96.6 44.7 49.2 54.6 72.2 75.6 87.4 74.5 91.7 95.3 96.6 96.6 46.6 67.º 1000 96.6 97. 72.9 76.3 83.1 89.2 92.9 96.3 97.6 97.6 77.8 76.3 83.4 89.5 93.5 96.6 98.3 98.3 40.2 4.6 72.9 97.6 98. 98.0 98.0 £4.6 78.3 98.6 700 600 45.2 54.6 72.9 76.3 83.4 89.5 47.7 96.6 99.3 98.6 09.6 99.0 99.0 99. 74.5 77.9 76.3 83.4 F9.8 93.6 07.3 99.7 49.3 00.3 09.7 99.7 99.7 49.2 54.6 72.9 76.3 63.4 39.8 43.9 97.6 99.3 99.7 99.7103.0100.0100.0 54.6 77.9 16.3 63.4 89.8 93.9 97.6 99.3 99.7 99.71 0.0100.0100.0 64.6 77.9 76.3 83.4 89.8 93.9 97.6 99.3 99.7 99.71 0.0100.0100.0 1.0 44.5 47.2 54.6 100 47.2 54.6 72.9 76.3 83.4 PO.8 93.9 97.6 99.3 99.7 60.71 0.6 00.0100.0105.0

TOTAL NUMBER OF OBSERVATIONS

DIPNAVOCEANMET 5MOS

Assume the Administration of the Company of the Assumption of the Company of the

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	ביו ב	≥ 1%	≥ :	≥ 4,	≥ 4	≥ '2	≥ 5 16	≥ .	2 0
NO CEILING		* Li	7.1		34.4	4 4	34.7	71.1	77.1	3 , 4	36.3	35.3	3 % 3	76	3	₹5.
≥ 20000		15.7	6 . 2	7 4	5 . Sı	40 · 3.	42.6	41.2	41.7	4 _ a ui	42.4	42.4	47.4	42.4	47.4	42.
≥ 18000		- 5		1 6	31.6		41.0	1.1.7	45.0	4 / 4	42.7	47.7	42.7	42.	47.7	42.
≥ 1600C			7.4	2.	3′ . 8.		41.	41.7	42.5			42.7	47.7	42.7	47.7	4
≥ 14000		,		3 1 2 74	# . E.X.	41 - 3	42		43.1	4 7 4		47.3	47.4	43.5	47.5	4 4
≥ 12000			37.7	7	45.5	46.9			40.3	40.7	F 6 _ 19				1.00 m	
≥ 10000	•			4 , 5	57.1	3 . 5	. 1 2	5.6	55.2	56.3	Se . 3	56.9	34.0	E & . D	56.9	55.
≥ 9000	. •	- 7	37.0		C 2 t			11	٥. زر		54.5	56 0	55.0			56.
	• •		ar	. Tubd.							-255 ·	29.5.		56.7	62.7	4
≥ 9000 > 7000		- Trail		4	55.3		- 5, G . <b>4</b>		61.6	62.2		6. • °	•		4.6	
_	• •	7.	•				<u>. i 1</u> , 1,						64.6	64.6		54.
≥ 6000 > 5000		27.2	4 7 . 7		63.1		43.5		05.0			67.4	57.4	57.4		67.
2 3000	• '.	• •	44.	• .			67.4					,	71.9			71.
≥ 4500	•	→ 3 <b>→ 1</b>	-	7 • 6)			71.5	74		74.7			76.3	76.0	76.7	7
≥ 4000	•	h •	31.	· • 4	7			75 + 2,	73.9	3.•2	81.6	31.0	×1.5	1.0	. ol•6,	1.
2 3500	1	14 to 5	5 `• 1	, j • <u>c</u>	73.2	75.7	78.5	-1 • a	35.3	0.0	t 4 • '	F . # 3	٠. ه ع	- 4 - 7	→ <b>4</b> • ○	54.
> 3000		47.	5.	63.2	74 . 7.	78.1.	3 9	° 4 . 4.	્રાઈ•1,	رغوفات	97.2	37.2	37.2	37.2	67.3	۹7.
≥ 2500	42.	48.5	54.	11.2	74.4	10.2	83.C	6.5	27.2	87.9	89.2	5.93	25.2	93.7	59.2	* y .
≥ 2000	•	45.5	34.5	14.5	77.1	-1 · š.	34.4	7.9	58.5	8 7	9 . 5	9.3.6	3 . €	a 6	27.6	70.
≥ 1800	•	ય 🕒 💌	56.0	64.	77.1	1 • 3	34.4	~7.9	4 5	99.2	90.6	9 .6	6 . 6	c . 6	90.4	91.
≥ 1500	· 1.1	4 .	54.0	64.0	77.8	1.9	85.1	8.5	99.7	89.7	91.3	91.3	<1. T	91.3	91.3	S1.
≥ 1200	3.1		5 " . 4		74.2	-3.3	36.5	າດ. ກໍ	91.7	92.c	73.4	43.4	93.4	G 3 . 4	93.4	73.
> 1000	,		e 3	7	e .2	4 . 7	87.9	91.7	13.1	94.1	95.5	5.5	ν3 • E	45.€	95.2	95.
≥ 900		5.	54.3	7		4.7	87.9	91.7	93.1	94.1		95.5	0 .	95	95.8	95.
≥ 800	7 - 1	5 F . 4	5- 6	51.	47.6	5.1	87.2	01.8	-	96.2	-				97.9	
> 700	3.1		5	· · ·	40.6			•	** ***	90.2		67.9	96.3			9.5
≥ 700 ≥ 600		50.4	5		30.6		89.2	23.8		20.2		-				
-		16.04		67.	80.5	•	•	+								
≥ 500 ≥ 400		, <b>, ,</b> ,							- :	97.2						-
~	3 • 1.	· · · · · · · · · · · · · · · · · · ·		<u>€7</u> •;;•	3.0.9		89.9			97.2.	- •					
2 300	3 • 1		5 . 6		31.9					97.2						
≥ 200		10.4		· •	· · · · · · · · · · · · · · · · · · ·	5 • 4		34.4		97.2					100.0	
≥ 100		50 • 4			30.0		83.9			97.2						
2 0	1	57.4		67.	3 [ 3 ]	5.4	89.4	74.4	76.2	97.2	99.3	99.75	0.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

OPPNAYOCEANMET NOON

MAVA, MEATHER SERVICE DETACHNIST A RESIDER SE

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
PEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 11g	≥ 1.	≥1	≥ 4	≥ %	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	<del></del>	11.5	37.7	34	16 • C	75.4	36.4.	76.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 20000	34 •	37.4	3 . 4	41.1	43.0	44.4	44.4	44.4		44.4	1	44.4	44.4	44.4	44.4	44.4
≥ 18000	36.	37.4	31.7	41.4	44.1	44.5	44.8	44.8	44.0	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 16000	24.	37.4	39.7	41.4	44.1	44.7	44.8	44.8	44. 2	44.8	44.8	44.8	44.8	44.3	44.8	44.9
≥ 14000	3.7	" Q . W	41.	65.4	47.1	47.8	47.3	47.8	47.A	47.8	47.8	47.8	47.8	47.8	47.5	47.8
≥ 12000	L. 1.	43·	4 . 2	°0.2	54.2	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
_ ≥ 10000	1.4	45.1	50.2	72.2	57.9	€8.6	58.9	9.3	50.3	57.3	59.3	59.3	50.3	59.3	59.3	`59.3
≥ 9000	~1.	27.5	50.5	62.5	54.3	58 • 9	59.3	59.6	50.6	59.6	59 . 6	59.6	50.5	59.6	59.6	59.6
≥ 2000	4.4	44.2	54.2	50.2	53.0	14.0	64.7	65.0	55.0	65.J	65.0	65.7	65.0	65.6	65.0	65.0
≥ 2000	14.4	40.2	54.7	56.3	63.0	F4 . G	64.7	55.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	45.3
≥ 6000	4.4	40.2	34.2	FF . 2'	53.3	14.3	65.0	45.7	65.7	66.0	66.0	66.0	06.7	55.0	66.0	66.
≥ 5000	• • 1	11.2	5: . +	50.9	56.3	57.7	69.	4.9.7	70.4	70.4	78.4.	70.4	70.4	70.4	70.4	70.4
≥ 4500	44	S.7 • 2°	57.6	6 . 3	50.4	69.7	71.4	72.1	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 4000	4 " • 5	12.7	59.9	63. · ·	75.1	74 . 4	75.4	77.1	77.8	77.8	77.8	77.8	77.8	77.6	77.8	77.8
≥ 3500	· 5	53.5	60.9	44.7	75.4	77.4	77.5	· .1	₹0.8	30.8	87.8	80.8	84.8	8.C4	30.8	80.8
> 3000	2	5.6	67.5	67.0	79.1	-2.3	82.9	53.5	04.2	84.2	24.2	94.2	64.2	94.2	84.2	F4 . 2
≥ 2500	•	57.2	64. Ť	6-1	81.5	13.2	85.2	25.9	85.0	80.9	86.9	86.9	86.0	86.9	36.9	A6.9
≥ 2000	2.5	57.4	65.3	44.7	82.8	94.5		27.2	28.2	88.2	88.2	88.2	89.2	38.2	88.2	€8.2
≥ 1800	2.5	57.5	65.3	€ 5.7	3 7 . 8	34.5	86.5	47.2	É8.2	98.2	88.2	88.2	20.2	88.2	RA.2	88.2
≥ 1500	3.7	58.6	66.	7 7	84.2	25.9	88.2	89.5	90.6	90.6	93.6	90.6	90.6	90.6	90.6	0.0
<u>≥</u> 1200	· - '	34.6	66.	7 7	84.9	6.9	89.2			92.3	42.5	92.5	92.9	92.9	92.9	
± 1000 ≥ 1000	3.5	58.9	66.3	71.	05.5	57.9	91.3	93.3				96.3		76.6	96.5	96.6
≥ 900	3.5	E 6 0	65.3	71.7	85.5	57.5°	91.3	23.3						97.3	97.9	97.
≥ 600	3.5	58.9	65.3	71.4	85.2	-8.€		04.3				98.3			99.0	99.0
≥ 700	3.5		66.3	71.4	86.2										99.0	
≥ 900	3.	58.9	65.3	71.4	56.2		91.9	94.3			98.3	28.3	59.7	-	_	99.0
≥ 500	3.5	58.9	65.3	71.4	at . 2		92.3	94.6							99.7	
≥ 400 ≥ 400	-3.5	58.2	61 . 3	71.4	66.2	68.5	92.3	54.6							100.0	
≥ 300	3.5	₹d.9	65.3	71.4				34.6							100.0	
≥ 200	3.5	62.9	66.3	71.4	36.2										100.0	
> 100	3.5		65.3			78.6	92.3	C4 . 6	96.7	98.3	99.0	99.0	00.0	100.0	00.0	เอ็จ อ
≥ 100	3.5	51.7	56.3	71.4	36 . 21	6.6	92.3	94.6	96.7	98.1	99.0	99.0	00.0	100.00	00.0	00.0

TOTAL NUMBER OF OBSERVATIONS

\_207

DIRNAVOCEANMET SMOS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Sec. Sec.

CEILING							VISI	BILITY (ST	ATUTE MIL	<b>ES</b> 1						
FEET	≥ 10	≥ 6	≥ 5	ž 4	≥ 1	≥ 2'9	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ ¾	≥ 4	≥ %	≥ 5/14	≥ 5.	≥ 0
NO CEILING	•	, ,,	31.7	72.3	33.7	74 .	34.3	34 . D.	34.0	34.0	34.0	34.0	34.0	34.0	34.0	34.0
≥ 20000	: 3 € € 1.	36 . 7.	39.1.	39.5.	91.5	42.5.	42.5.	42.9	42.0	42.9	42.5	42.3	42.9	42.9	42.9.	42.9
≥ 18000	· • 2 • · ·	16.7	52.1	37.5	41.5	42.5	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.7	42.9	44.0
≥ 16000	₹•7.	76 . 7	3 3 4 1.	27.5	41.5	42.5	42.9.	42.9.	42.9	42.2	42.9	42.9	42.9	42.9	42.9	42.9
≥ 14000	3.	79.1	39.8	41.5	43, "	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 12000		41.0	47.2	45.2	43.6	50.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 10000	•	43.	46.9	49.3	53.4	55.1	55.8	55.8	55.0	55.8	55.8	55.8	55.8	55.8	55.8	55.6
≥ 9000		44.2	47.5	49.7	54.1	55.8.	56.5	56.5	56.6	56.8	56.8	56.8	56.3	56.8	56.8	56.8
≥ #000	1.2	45.6	4 7 . 7	7.2	57.5	50.5	61.2	61.2	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 7000	2.5	47.3	51.4	53.7	59.9	t 2 . 2,	63.6	53.6	64.9	64.0	64 . C.	64.0	64.D	64 . D.	64.0	64.0
≥ 4000	5 • 2		5 ? . 4	£4.0	6 . 3					56.0				66.0	66.0	66.5
≥ 5000	- 6	51.7	56.5	50.8	65.3				- 1	70.8	1				70.8	75.8
≥ 4500	` ·	3.7	59.8	(1.5]	69.4					75.2					75.2	
≥ 4000		54 . 5										80.6		87.6	80.6	80.6
≥ 3500	•	56.	•	4 2 . [		79.6		c 3 . 0		34.7	84.7			84.7	84.7	84.7
> 3000	2.4			65.7	78.9		85.4			88.1	88.1	88.1	88.1	88.1		88.1
≥ 2500	7.4	5 9			31.3				89.			9. 8			90.8	90 8
≥ 2000		5 ?							_						92.2	- 1
≥ 1800	3.7	6 . 2	67.	7 8	82.										92.2	
≥ 1500	4 . 4	5 50	67.7	_	43.7	- ,				94.4.						<b>.</b>
≥ 1200	4.4	6	67.7	71.4	93.7	₹7.8									95.6	
≥ 1000	•	63.7		_	84										96.9	
≥ 900	4.4	60.9		71.4	RELO		92.5		95.6		•		96.9		96.9	1
≥ 800		61.2		71.8	84.4					98.0.				98.3		1
≥ 700	4		6 .0	71.8						98.						
≥ 700 ≥ 600	4		68.0			- 1	92.9	- 1		98.0						
≥ 500			68.												98.6	
≥ 400	14		-			,	93.2		,			,		1	99.3	
	, 4	61.2	68		84.4					99.3					99.71	
≥ 300 ≥ 200	4			,					- 1	- 1					99.7	
1	54.	61.2													99.7	
≥ 100   ≥ 0			_	-												
1	. 4 •	01 o 4,		71.06	07.4		75061	73.9	77.0	77.5	77.7	77.7	77.7	99.7	77.73	LU D a C

OTAL NUMBER OF ORSERVATIONS 294

DIPNA VOCEANMET SMOS

4

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)		<del></del>				
FEET	≥ 10	≥ 6	≥ 5	2.4	≥ 3	≥ 2%	≥ 2	≥ 11%	≥ 1.	≥ ;	≥ ъ	≥ %	≥ %	≥ 5/16	≥ 1.	≥ 0
NO CEILING	7.	73.3	25.0	27	30.1	1.1	32.4	37.8	32.2	32.5	32.€	32.8	32.8	32.8	32.3	32.5
≥ 20000	•	35 ·	27.4	27.47	34.5	26.2					39.2	39.2	33.2	39.2	39.2	39.2
≥ 18000		25.	27.4	2 4.7	34.5	36.2	37.8	38.5	33.2	39 . 2	37 . 2	39.2	30.2	39.2	39.2	39.2
≥ 16000	*	75.	27.4	24.7	34.5	36.2	37.8	36.5	39.2	39.2	39.2	39.2	37.2	39.2	39.2	37.2
≥ 14000	•	5.4	20.4	3 . 7	35.3	37.5	39.2	34.9	4	40.5	43.5	40.5	46.5	40.5	40.5	40.5
≥ 12000	, " • "	7€.4	31.4	34.1	47.5	42.€	44.6	45.8	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 10000	7	29.4	37.2	35.0	43.6	45.5	47.6	42.7	49.3	45.3	49.3	49.3	40.3	49.3	49.3	49.3
≥ 9000	1.1	30.4	33.7	35.8	44.5	47.0	49.0	50.0	57.7	5 3.7	50.7	53.7	50.7	50.7	50.7.	50.7
> 1000	ц	72.4	35.8	34.5	4 . 0	50.7	53.0	54.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 7000	, C , U	72.4	35.2	39.5	48.3	1.0	53.7	* 5 . 1	56.1	56.1	56.1	56.1	56.1	56.1	55.1	55.1
> 6000	13.7	72.5°	36.8	4 .5	43.3	2.0	54.7	Et . 1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	37.1
≥ 5000	.3.5	36.5	41.5	45.6	55.1	58.1.	61.2	52.8	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5
> 4500	37.5	35.5	43.6	40.	57.8	51.2	64.9	57.2	69.01	69.3	69.3	69.3	67.3	69.3	69.3	62.3
≥ 4000		42.2	4 . 6	52.5	3.5	56 . C.	71.3	74.7	76.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4
> 1500	-0.2	44.5	41.7	64.1	67.6	72 . 3	77.4	9 . 7	8 2 . 8	93.5	83.5	63.5	83.5	93.5	83.5	93.5
> 3000	3.2	44.3	40.7	54.4		74 . 0	79.1	P2 . 4	84.9	85.5	05.5	45.5	85.5	35.5	85.5	85.5
≥ 2500	3.	•	50.0	54.7		75.€			96.2			86.8		86.8	86.8	86.8
≥ 2000	1.1.	46.0	51.7		-					90.5						
≥ 1800	1.	45		56.3	73.7					90.9			71.6	91.6	91.6	91.6
≥ 1500	41.	40.3		57.1	74.7		85.1			22.9				93.6		1
≥ 1700	11.	46.3	52.		75.		25.5	4	72.0		94.3			,	•	94. 1
> 1000	41.	40.3	52.4	57.4	15.3		85.8		44.3			96.3				96.3
> 100	1.	46.3	·	57.4	75.3	~ <b>-</b>	66.2			96.0				96.6	· · · · · · · · ·	90.€
≥ 800	11.	46.3	52.4	57.4	76.4	61.4	–		•	97.3				78.3		98.3
}	1.		5.7.4		76.4											
≥ 700 > 600	1.	46.3	52.4	57.4		£1.4				98.0			_		99.3	1
<b>,</b> -	41	46.3		57.4										0.6		
≥ 500 > 400	11.	46.3	52.4	57.4	1	,	88.2			96.7				100.0		1
F	11.	<del>.</del>				61.8								100.0		
≥ 300 > 200	1				76.4									100.0		
•	• =- ]	·			76.4									100.0		
≥ 100 > 0	41.								-	- ;			-			
_ ≥ 0		40.3	3:44	2/04	76.4	81.0	58.2	Y 5 . 9	Y/05;	45.7	99.7	99.7	99.7	' U • J	100.0	DU . D

TOTAL NUMBER OF OBSERVATIONS 276

11

AND ALL MEATORS GENERAL PLANTAGE AND METAL WHILE AN

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

- 21

CEILING					_		VISI	BILITY (STA	TUTE MIL	ES)						_ ]
PEET.	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥ 1	≥ 4	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING	3	25.	26.4	25.7	3 " • 9	31.6	31.9	32.6	33.3	33.7	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	• <b>4</b>	27.4.	2^• ۲.	3	35.4	36 . 5.	37.5	35.5	39.6	45.3	43.3	40.3	40.3	40.3	40.3	4C.3
≥ 18000	4	27.4	35.9	3C • 2	35.4	70.5	37.5	₹8.5	39.6	40.3	47.3	40.3	4~.3	40.3	40.3	40.3
≥ 16000	4	77.4	29.2.	36.2	35.4	36.5	37.5	38.5	39.6	40.3	40.3	43.3	40.3	40.3	40.3	40.3
≥ 14000	20.7	.7.5	30.2	70.6	35.8	36.8	37.9	38.9	39.9	45.6	40.6	40.6	40.6	47.5	40.6	40.6
≥ 12000	··· • ?	71.7	34.0	37.1	41.3	42.4	43.4	44.8	45.01	46.5	46.5	46.5	46.5	46 . 5	46.5	46.5
≥ 10000	. 1	37.5	40.3	41.7	48.6	50 . 4	51.4	52.9	53.8	54.5	54.5	54.5	54.5	54.5	54.5	54.5
≥ 9000	3 .4	37. 7	4 . 6	63.A	49.3	1.0	52.1	2.3.5.	54.5	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 8000	• 1	41.5	44.	45.5	54.5	56.9	58.3	59.7	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 7000	1 .	42.7	46.2	43.3	55.3	58 . 7	61.1	51.5	62.9	63.5	63.5	63.5	63.5	63.5	63.5	63.5
≥ 6000		4 3 . 4	47.2	42.3	57.3	59.7	61.1	52.5	63.9	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 5000	91.7	45.5	47.7	51.7	60.4	63.2	64.6	66.5	67.4	68.1	60.4	69.4	66.4	68.4	68.4	68.4
≥ 4500	4 . 1	42.3	57.4	54.5	63.5	66.7	68.1	7.1.1	71.5	72.6	72.9	72.9	72.9	72.9	72.9	77.9
≥ 4000	41.2	51.4	55.9	50.3	68.3	71.9	74.3.	76.7	78 . 1.	79.2.	79.5	79.5	79.5	79.5	79.5	79.5
≥ 3500	1 . 3	52.	57.6	60.4	72.2	75 . 7	78.5	90.9	82.6	83.7	84.1	84 . C.	84.0	84.0	84.0	84.0
> 3000	• 1,	53.1	5 3 . U.	61.1.	74.0.	78.1	51.3.	64.7	86.8	87.9	88 . 2	88.2	99.2	88.2.	88.2	88.2
≥ 2500	. 3	53.5	55.7	61.8	75.0	79.5	82.6	P6.1	88.2	84.2	89.6	89.6	89.6	89.6	89.6	89.6
≥ 2000	7	54.2.	5 ,	62.2	75.7	80.2	83.3	87.2:	89.2	90.3	90.6	90.6	90.6	90.6	90.6	90.6
≥ 1800	4 . 7	64.2	5 .	62.2	75.7										90.6	
≥ 1500	1.5	5.6	6 .4	63.0	73.8.	3.3	86.5	97.3:	92.4	93.4	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	1.4	56.3	61.1	64.6	81.6	45.1	88.5	92.7	94.8	95.8	96.2	96.2	96.2	96.2	96.2	95.2
≥ 1000	1.4	50.3.	61.1	64.6	81.3	6.1	89.6	93.8	96.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	1.4	SA . 3	61.1	64.6	81.3	°6 . 1	89.6	93.8	96.2	97.6	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	1.4	56.3	61.1	64.6	81.3	36.1	89.6	93.8	96.5	97.9	98.3	98.6	98.6	98.6	98.6	98.6
≥ 700	1.4	56.3	61.1	£4.6.	81.3	16.8	90.6	24 . 8	97.6	99.0	99.3	99.7	99.7	99.7	99.7	99.7
≥ 600	1.4	56.3	61.1	4.6	81.3	56.3	90.6	94.8	97.6	99.0	99.7	100.00	100.00	100.0	100.00	100.00
≥ 500	1	50.3	61.1	64.6	P1.3	16.8	90.6								100.0	
≥ 400	1.4	56.3	61.1	64.6	81.3	16.8		94 . 8	97.6	99.0	90.7	00.0	100.00	00.00	100.0	0.00
≥ 300	1.4	56.3	61.1	64.6	R1.3	6.8	9".6	74 . 8	97.6	09.	99.7	100.0	0.00	00.0	100.0	00.0
≥ 200	1.4	56.3	61.1	64.6	91.3	J6 . 8		94.8	97.6	99.0	99.7	100.0	00.0	100.0	100.0	100.0
≥ 100	1.4	56.3	61.1	54.6	81.2	26.8									100.00	
ž 0	1.1.4	56 . 3	61.1	44.6	81.3	16.8	90.6	94.8	97.6	99.4	99.7	100.0	00.0	100.0	100.0	0.00

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

NAVAC MEATOER SERVICE DETACIONO SE ASSESSE SE NO

73-6

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING							VISI	BILITY (STA	ATUTE MILI	ES)						
PEET:	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ 1%	≥ 1%	≥1	≥ •	≥ 4	≥ %	≥ 5-16	≥ '.	≥ 0
NO CEILING	. 4	25.2	27.0	24.8	31.9	37.4	32.3	73.4	33.7	33.6	34.	34.0	34.0	34.0	34.7	34.5
≥ 20000	• '',		31.	32.9	37.1	36.1	38.5				40.6			40.5	40.6	47.6
≥ 18000	•	. t . 2	30.	*3.a™	37.2	38.2	39.0				40.7	40.7	4 . 7	40.7	40.7	45.7
≥ 16000		25.	3 .	33.	37.		39.8				40.8	40.9	40.8	40.6	40.8	40.6
≥ 14000	′ •	0.1	31.2	34.1	3: • 6	39.5	40.4	41.2	41.0	4201	42.2	42.2	47.2	42.2	42.2	42.2
≥ 12000	4.4	32.1	3.3	2 • 1	43.4	44.6	45.7		47.4		47.5	47.8	47.8	47.8	47.8	47.a
≥ 10000	3.7	76	3 ≎ . 7	4: . 3	47.3	50 a	52.3	53.2	53.0	54.2	54.3	54.3	E 4 . 3	54.3	54.3	54.3
≥ 9000	3.	75.5	40.3	43.5	5° • 0		52.8				55.7		55.2	55.2	55.2	55.2
≥ 9000	• 3	39.5	44.0	47.5	55.1	57.1	59.13	£7.3	61.1	61.4	61.6	51.6	61.6	61.6	61.6	61.5
≥ 7000	•	40.4	44.7	45.3	56 · C	18.2	60.0	41.4	62.3	62.6	62.5	62.B	67.8	62.8	62.8	62.8
≥ 6000	7.3	41.C	45.0	4 1	57.0	.9 · 1	61.1	42.5	03.4	63.7	63.7.	63.9	63.9	63.9	63.9	63.9
≥ 5000	3° • 4	<b>43.3</b>	4	51.8	67.2	62.3	64.9	66.5	F7.5	67.8	64.2	68.2	64.2	68.2	68.2	68.2
≥ 4500	` + <b>1 •</b> <sup>c</sup>	45.5	5 4	54.5	63.6	16.2	68.6	70.5.	71.5	72.1	72.4	72.4	72.4	72.4	72.4	72.4
≥ 4000	· 3 • *	48.	53.5	58.	64.6	71.5	74.5	76.7	78.0.	70.0	78.9	78.9	78.9	79.0	79.0	79.5
≥ 3500	.4.	49.6	55.2	6 . 0	71.6	75.	78.4	91.7	82.7	A 2 . 5	8 3 . 2	63.2	£3.2	63.2	83.2	84.2
≥ 3000	45.1	50.5	56.4	61.4	74.	77.6	81.3	83.8	85.4	86.2	86.6	86.6	86.6	R6.7	86.7	86.7
≥ 2500	` a • - ·	41.2	57.4	42.4°	75.5	79.2	83. T	5.6	87.3	88.1	58.5	88.5	58.5	98.5	88.5	88.5
≥ 2000	4 1.1	11.9	50.0	63.2	76.7	60.6	84.5	87.2	28.9	89.7	91.2	93.2	90.2	90.2	90.2	90.2
≥ 1800	• 1	1.7	5: . 0	F3.2	76.7	90.7	84.5	07.2	88.9	89.6	90.2	90.2	97.2	60.3	90.3	97.3
≥ 1500	• * • *	62.3	50.5	64.0	7 0 0	∂2.0	86.D	89.2	90.9	91.8	92.3	92.3	92.3	92.4	92.4	92.4
≥ 1200	41.6	52.6	58.5	64.4	79.1	P3.3	£7.4	90.8	92.6	93.9	94.5	94.5	94.5	94.6	94.6	94.5
≥ 1000	47.8	52.8	54.2	64.9	5 .1	64.4		92.5						97.0		97.0
> 900	47.5	52.8	59.2	64.9	8 . 1	-4.4	80.8	92.6	94.7	96.2	96.	96.9	97.0	97.0	97.5	97.0
≥ 800	47.0	62.9	59.4	65.1	8 . 7	25.0	89.6	93.6	95.8	97.4	98.2	98.2	98.4	98.5	98.5	93.5
≥ 700	47.3	52.7	30.4	65.1	3 . 7	25.1	89.8	03.8	96.0	97.6	98.5	98.5	98.7	38.8	98.8	98.8
≥ 400	47.A	52.4	57.4	45.1	8C.7	85.1	89.8	93.8	96.1	97.7	98.7	98.8	99.0	99.1	99.1	99.1
≥ 500	41.8	£2.9	50.4	65.1	80.7	15.2	90.1	94.1	96.4	98.1	99.2	99.3	99.4	99.5	99.5	9.6
≥ 400	47.F	4.2.9	50.4	65.1	80.7	85.2	90.1	94.2	96.5	98 . 2	99.3	99.4	99.6	99.7	99.7	99.8
≥ 300	4 / . P"	12.9	59.4	65.1	80.7		90.1	94.3			99.4		99.8	99.9	99.9	
≥ 200	4	52.9	59.4	1				74.3	06.6	1	90.4	_		99.9		
≥ 100	47.4	57.9		65.1			90.1	94.3			99.4		7 - 4			
≥ 100 ≥ 0	4- 4	52.9		65.1					:		99.4			-		

TOTAL NUMBER OF OBSERVATIONS

2129

11

11

11

NAVA, WEATHLOOK SUBJECT ACHIEVE ASHESHILE NO

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		······································					VISI	BILITY (ST.	ATUTE MIL	ES)	<del></del>		<del></del>	,		]
FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 21%	≥ 2	21%	≥ 1%	21	≥ %	2 %	≥ %	≥ 5/16	≥	≥ 0
NO CEILING ≥ 20000	· - •		27.0	33.5	31.8		33.0			33.5		- 1		33.5		33.5
≥ 18000 ≥ 16000		29.6		33.5	36.9		30 . C	28.5	38.6		39.6	38.6	38 . 6	38.6	39.6	38.6
≥ 14000 ≥ 12000		- · ·	37.4		38.6	39.7	39.7	40.2	49.2	47.2	40.2		4C . 2		40.2	
≥ 10000 ≥ 9000	: 5, • f	40.7	41.0	45.3	50.3	12.5	53.6	54.2	54.0	54.8		54.8	54.8	54.8	54.8	54.8
≥ \$000 ≥ 7000		44.7		50.8	55.4	58.1	59.2	r 9 . 8	67.7		67.9	60.9		62.5	60.9	67.6
≥ 4000 ≥ 5000	4 7	46.5	49.7	53.1	58.1	En. 3	61.5	62.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	
≥ 4500 ≥ 4000	1.	55.3	58.7	67.6	69.7		73.2		75.4				·	75.4		
≥ 3500 ≥ 3000		60.0	6 . 4	70.4		-2.1	85.5		•	88.3 9./.5	38.3	88.3	68.3 97.5	90.5		1
≥ 2500 ≥ 2000	• 1	. •	65.4	71.0°	70.9	H3.8	£7.2 39.3	91.1		92.2	91.1	91.1			91.1	
≥ 1800 ≥ 1500	•1	62. °		72.6		. 4 . 9 86 • 0	8 . 3	91.1		92.2	93.3	92.2		92.2		
≥ 1200 ≥ 1000	. 7	£2.5		73.2	83.2	e7.2				75.0 97.5		25.0 97.8		95.0 97.8		1
≥ 900 ≥ 800	.7	62.6 62.6		73.7	34.4	6.3 28.3		90.1		97.6	97.8	97.8	97.8	97.6	97.8	97.8
≥ 700 ≥ #00	•	62.6	67.6	73.7	84.4	8.3 8.8				97.8		97.8	97.8	97.8	97.8	97.8
≥ 500 ≥ 400	. 7 . 7	62.6 62.6		73.7	84.9					1		;		98.9		
≥ 300 ≥ 200	5 • <b>7</b>	62.5		73.7	84.9					90.9			98.9	99.4	- 4	
2 100 2 0		62.6											- :	99.4		

TOTAL NUMBER OF OBSERVATIONS

C

**CEILING VERSUS VISIBILITY** 

NAVA, WEATHER DESCRIPTION ED PARAMETATIANHEN HELE INC.

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C 3

CEILING							VISI	BILITY (ST	ATUTE MILI	ES)						
FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	≥ 2	≥ 115	≥ 11.	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥ 0
NO CEILING		? i. • ¢1	37.3	34.3	36.0	34.5	36.5	34. • 5	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥ 20000	· • ]	3	3 • 1	37.6	41.3	41.0	41.8	11.8	41.8	41.8	41.8	41.5	41.8	41.F	41.8	41.5
≥ 18000	-	12.3	3	37.6	41.3	41.0	41.8	41.3	41.F	41.8	41.9	41.8	41.9	41.9	41.5	41.5
≥ 16000	<i>i</i> ∂•	2.3	30.1	77.5	41.3	41.5	41.8	41.8	41.8	41.5	41.8	41.8	41.8	41.A	41.8	41.8
≥ 14000	₹^`•	2.3	37.0	37.6	41.3	41.6	41.8	41.8	41.8	41.9	41.3	41.3	41.8	41.6	41.8	41.8
≥ 12000	,	75.5	3 2	40.7	44.4:	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 10000		41.8	4 . 5	47.5	52.4	F3.4	54.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 9000	:• 7	42.3	4 .0	4 - 2	25.0	14.0	55.0	F6.1	56.1	56 . 1	56.1	56.1	55.1	56.1	56.1	56.1
_ ≥ \$000	41.5	49.2	57.0	55.6	63.3	11.4		63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
> 7000		49.2	52.9	55.6	6 . 9	61.7	63.0	64.0	64.0	64.0	64.0	64.0	64.0	54 . Q	64.3	64.0
		49.7	53.4	56.1	61.0	63.	64.0	(5.1		65.1	55.1	65.1	65.1	65.1	65.1	65.1
≥ 6000 > 5000	4 7	2.4	57.1	59.8	65.6	66.7	67.7	68.8	69.3	69.3	69.3	69.5	69.3	69.3	69.3	69.3
I	4	57.7	61.7	54.6	72.0	73.5	74.6	76.2	73.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500 > 4000	> • t•	4.0	65.1	64.3	78.8	#1. i	82.5	84.1	94.7	84.7	84.7	84.7	84.7	54.7	34.7	84.7
	7.1		55.I	70.0	30-4	72.5	84.7	16.8		57.3	£7.3	87.3	£7.3		87.3	87.3
≥ 3500 > 3000	= 1.7	1.7		72.0	32.5	74 . 7	86.8	98.9	89.4	89.4	89.4	89.4	89.4	89.4	97.4	80.4
	7	48. 1	44.8	71.0	83.6	75.7	87.B	90.5	91 d		91.0	91.5	71.5	91.1		91.0
≥ 2500 > 2000	7	63	4 3	73.	93.6	25.7	87.8	90.5	91.0		91.0	91.0	41.0	91.	91.7	31.0
- 1		6 <b>3</b> .5	2 5 5	73.2	84.1	76.2	88.4		91.5		61.5	91.5	91.5	91.5	91.5	91.5
≥ 1800 ≥ 1500	• 2 •	(4.)	40 7	70.6	85.7	£7.8	90.0	92.5	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
2 1300	, , , , , , , , , , , , , , , , , , ,	(4.7	7 . 2	77.0	26 . A	48.9	91.7				94.7		54.7		94.7	94.7
≥ 1200		-	69.8	70 0 1			92.6	76.5				7701	98.4	98.4	98.4	9 - 4
≥ 1000	54.8°	54 . U		45.41	87.8	93.5!	42.6	96.3		97.9	97.0	98.4	ÇŘ 4			
≥ 900		64.3		75.1	. •	,			-				. •		98.4	98.4
≥ 800	55.	. 64 e ui	62.8	75.1	87.8	90 - 5		96.3	97.9	97.9	97.9	98.9	98.9	98.5	98.9	98.9
≥ 700	5% 3			75 · 1	[	90.5		26.3	97.0		97.9	98.9	98.9			96.9
≥ 400	39.0	64.	60.8	75.7	88.4	91.0	93.1	96.8	98.4	98.4	98.4	77.5	99.5	99.5	99.5	99.5
≥ 500	30. m	64 · i	60.8	i.	88.4	61.0		- •			98.4	• -			99.5	99.5
. ≥ 400	5	64.	69.9	75.7		91.0		96.8	98.4	98.4	98.4	99.5	99.5	99.5	99.5	99.5
≥ 300	5	n4 .	69.8	75.7	89.4	91.1	93.1		98.4					100 · G		
≥ 200	5.0	44 . C		75.7	88.4	11.1	93.1	96.8	93.4					100.0		
≥ 100	(a)	04.0	60.8	75.7	88.4		93.1	96.8	98.4	98.9	78.9	D.U	เอก เด	100.00	00.0	100.0
≥ 0	د <sub>و م</sub> ا	64.0	67.6	75.7	88.4	91.0	93.1	96.8	98.4	98.9	98.9	L 0.0	מ.מנו	100.00	100.0	ioo . n

TOTAL NUMBER OF DESERVATIONS

189

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			_		- "		VISI	BILITY (STA	ATUTE MIL	ES)					· · · · · · · · ·	
7667	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 21/2	≥ 2	≥ ויו	≥ 11.	≥ 1	≥ 4,	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING	•	71.4	34.1	39.2	43.4	4.4	45.1	45.3	45.9	46.2	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		35.0%	3.7 . 9	41.	45.4	46.2	47ei	47.9	47.9	48.3	40.6	48.6			48.6	45.5
≥ 18000	•	35.3	25.3	41.3	* c . 1	46 . 2	47.2	40.3	- 1	43.6	49.0	49.4	49.1	49.0	49.0	49.0
≥ 16000	J+ • €	75 x %	37	410-4	45.1		47.2		ε.3	45.6	49.0	49.0	49.Q		49.0	49.0
≥ 14000 ≥ 12000	3 . 3	30.5	37. 7	41.1	45.1	46.2		1		48.6			40.0	49.3	49.0	40.0
	• 4	* 7 • 5	4 1 0 0	44 - 1,	40.3		51.4			52.0		53.1	<u> </u>	53.1	53.1	53.4
≥ 10000 ≥ 9000		41.7		46.6	55.2		57.6		57.4	- ;	67.1		€ 3 • 1;	50 • 1	60.1	60.1
- 1	• •	42,4			55.9		58.3				<del></del>	60.8	67.9	_ <u>60•</u> ₫		<u>60.4</u>
≥ \$000 ≥ 7000	-1.		43.5	2401	55.7	50.1			63.5	64.6	64.2	64.2	64.2	64.2	64.2	64.2
- 1		45.5	43	-3 <u>4</u> • •	5 . 4	10.4				55.6		66.0	66.0	66.0	66.7	64.9
≥ 6000 > 5000	4 4	47.4		56.6	64.2		- 1			69.8						70.1
> 4500		51.4	· · · · · · · ·		61.8					74.3		74.7			74.7	
≥ 4000 ≥ 4000	_			65.3		76.4								P1.6		81.6
≥ 3500	3.5		6-5			F1.6				86.5			86.9		86.8	65.8
> 3000	4.2	E . 17	64.0	70.5	51.9	54 . O	85.8	37.9	58.5	58.9	89.2	89.2	89.2	89.2	89.2	89.2
≥ 2500	4.5	53 <b>.3</b>	64.3	71.2	13.3	-5.8	87.5	89.6	95.3	90.6	91.0	91.0	01.0	91.0	91.0	91.0
≥ 2000	- 4.	54.	6' .6	71.9	64.7	97.2	09.2	91.7	92.4	92.7	93.1	93.1	93.1	93.1	93.1	93.1
≥ 1800	4.	59.	6 . 6	71.7	84.7	37.5	89.6	72 • D	92.7	73.1	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1500	4 •	59.1	6. 6	71.4	R 5 . 1		80.9			93.4	93.3	93.8		93.3	93.5	93.8
≥ 1200	C4 . 1	9.1	65.6	71.7	85.4		91.06		-	94.8		95.1		,		95.1
≥ 1000	>4 •	59.0	65.6	71.9	85.8	59.2	91.7			97.6				97.9	97.9	98.7
≥ 900	54.7	59.0		71.7	85.P	,					•	-	-	97.9	-	98.3
≥ 800	4 •	59.0	. T — T+	71.7	95.8	A9.2	91.7		+	97.6			99.6	98.6	98.6	99.4
≥ 700	E 44	59.U			85 · P	89.4		:			1		,	99.3	. •	• • • 1
≥ 400	* 44	59.	65.5		35. B	89.2	92.0			98.3		99.0	99.3		99.3	99.7
≥ 500 > 400		59.1			95.R	89.2	92.0		- 1	96.3		- 1	99.3			99.7
	.4.	59.	65.6	71.9	35.5	89.2	97.5				98 .6	99.0	00.3		99.3	99.7
≥ 300 ≥ 200	54.4	,							- 1	98.3		99.0		i	99.3	
-		59.0		71.9		89.2	92.0			98.3			99.3	99.3		
≥ 100 ≥ 0							-									
ے ا	746	2401	0 0	170 4	33 6 84	07 0 4	7600	7000	7104	7007	70.0	770.7	77.3	99.3	77.3	100 e U

TOTAL NUMBER OF OBSERVATIONS 298

DIRNAVOCEANMET SMOS

AND A MEANING CARREST OF A COST SATISFIED OF THE PARTY.

NAVA, MEATHER TO USE OF TACHNOOT ASSESSED INC.

7.5 + -- 2

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	iLING							VISI	BILITY (ST	ATUTE MILI	ES)						
'	1227	≥ 10	≥ 6	≥ 5	≥ 4	ž 1	≥ 2%	≥ 2	≥ 1%	≥ 0.	≥ 1	≥ %	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
1 .	CEILING	··· • ₹		33.6	37.2	44.4	n • 1.	46.2	46.2	45.2		46.2	46.2	46.2		46.7	46.2
٤	20000	. 4	1.1	3 • 4	75.7		19.5	50.5		50.5		50.5	53.5			50.5	50.9
	18000	• 4	lel	35.4	77.7	45.4	49.5	5 - 5 5 - 5	5/1.5		50.5	50.5	50.5			50.5	50.5
} ~	16000		71.1	3 · ·	31.7	48.4	49.8		£7.9			50.5 50.9	50.5	50.5 57.9		50.5	50.9
	14000		71	3	41.7	50.5	52 a 4	53.4	54.2	4 . 5		54.5	54.5	54.5		54.5	54.5
-	Ì		73	37.7	43.7	54.5				- :		59.2	59.5	59.2		50.5	50.2
	10000	•	74.4	35.0	44.0	34.4	57.0	58.8		59.9	7	59.9	15.9			59.9	50.7
	1		76 7	41.5	47.3	50.2		63.5				64.5	64.6			64.6	64.6
2	8000 7000	1.1	37.2	42.2	40.4	6 . 3	62.5	64.6	55.3	65.7		65.7	65.7	65.7	65.7	65.7	65.7
>	600G	11.1	37.2	47.2	42.7	61.14	F3.2	65.3	66.1	66.4	66.4	66.4	66.4	66.4	56.4	66.4	66.4
	5000	.2.5	77.4	44.4	51.5	64.6	46.8	69.7	69.7	77.7	74.0	70.3	70.0	70.0	70.0	70.0	70.0
_ ≥	4500	35.4	43.J	45.7	56.3	70.7	72.5	74.7	75.5	75.R	75.0	75.8	75.8	75.8	75.6	75.8	75.3
≥	4000	7	46. 4	52.7	60 • <b>3</b>	75.5	78.5	81.2		33.7		83.0	83.7		1	83.0	*3.d
_ ≥	3500	, A.,	45.7	21.3	65.8	BO.I	3. A	86.6	,	88.8	_	88.8	88.8	8.43	P8.8	98.8	53.4
.₹	3000	-1 1	40		63.5	80.9		88.1		91.0		91.3	91.3	91.3	91.5	91.3	91.3
≥	2500	i . 4		56 JR		51.Z		E8.5					32.I.	92.1		92.1	92.1
. ≥	2000		•		53.3	31.6	14.8	88.8		92.1		92.4	92.4	92.4		92.4	92.4
≥	1600	4		56.3				-			-				92.4		]
_ ≥	1500	11 to 4		55.		37.3					93.1			93.1	93.1	93.1	93.1
>	1700					83.0					96.4				97.5		,
-	1000	4 ( ) 44 ( ) 4 ( ) 6		56.0		£3.0	- 1								97.5		
<u>}</u>	900	10.4	-	55.0				51.3			96.8						- 1
_	1			36.7				91.3							97.8		1
2	700 600		4/46			33.0	96.6	91.3			97.1						
-	500	4 4		55.0		83.4	87. L								100.0		
2	400	44	44.4	56.7		83.4	87.7	91.7							100.0		
>	300	40.4	47.3	56.7	44.6	83.4		91.7	96.4	97.1	98.2	99.9	100.0	ion.a	100.6	100.0	ioo.d
	200	46.4	40.9	56.0	64.6		97.0	91.7	06.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0	100.d
	100	-	-	36.7		-							1	_	100.0		
≥	0	40.4	45.8	54.0	(4.6	83.4	17.0	91.7	76.4	97.1	98.2	98.9	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 277

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1.

VISIBILITY (STATUTE MILES) CEILING PEET ≥ 2% NO CEILING 76.1 30.7 34.7 43.7 1.1 41.1 41.1 41.1 41.1 41.1 41.1 41.1 41.1 41.1 41.1 ≥ 20000 45.7 49.1 49.5 49.5 49.5 49.5 49.5 49.5 49.5 49.5 49.5 49.5 47.5 42.5 46.3 42. 46. 2 45. 7 40. 1 49. 5 49. 5 49. 5 49. 5 45. 5 47. 5 49. 5 49. 5 > 18000 ≥ 16000 ≥ 14000 ≥ 12000 46.7 51.2 ≥ 10000 ≥ 9000 9.3 55.4 16.7 67.4 68.4 68.4 68.4 58.4 68.4 68.4 68.4 68.4 50.5 ≥ 8000 ≥ 7000 . . 4 - 1 - 6 59.1 6000 7' .9 71.9 72.6 74.1 74.9 74.9 74.0 74.0 74.0 7' .1 76.1 77.2 73.6 75.6 76.6 78.6 78.6 78.6 5.1 6 . 7 14.2 74.0 74.0 74.0 57.3 67.4 67.4 4500 4000 59. 3 65. 6 7 . 5 79. 7 60. 7 82.1, 03. 9 83. 9 83. 9 83. 9 83. 9 83. 9 83. 9 83. 9 51 . 3 66 . 7 71 . 6 31 . 4 ≥ 3500 53. 1 73.4 73.7 74.4 85.6 28.1 72.5 2500 8.1 90.5 25.0 27.3 93.3 94.0 24.0 24.1 94.1 2000 74 - 4 - 5 - 6 11.160.1 13.0 23.3 93.3 94.0 94.3 94.0 94.7 94.7 94. 11.1 6 .1 74.4 A5.6 98.1 90.5 <u>}</u> 1800 1500 ~5.8 96.1 96.1 97.5 07.5 97.5 97.5 97.5 97.5 97.5 1200 1000 q 61.4 63.4 74.7 87.4 ≥3.2 93.3 96.8 97.5 97.5 99.1 99.1 99.1 99.1 99.1 99.1 99.1 900 A00 400 61.4 65.4 74.7 87.7 97.5 93.7 97.5 98.3 98.3 99.7 99.7 99.7100.d100.d100.d 90.5 93.7 97.5 98.3 98.3 99.7 99.7 99.7100.0100.0100.0 74.7 87.7 F1.4 64.4 61.4 68.4 74.7 87.7 90.5 93.7 97.5 98.7 98.2 98.7 99.7 99.7 99.7 100.digo.digo.d

TOTAL NUMBER OF OBSERVATIONS

235

DIRNAVOCEANMET SMOS

1

1

NAVA, ASATHORESE COLORED A RESISTA A PRODUCT OF

 $\Delta A_{\rm CAC} \Delta S A S O(B)$  and in the TACOVETT A HEIGHTE N

" " 1. Jan 2"

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VEA 45

15

VISIBILITY (STATUTE MILES) CEILING ≥ 1% , ≥ 1 ≥ 2 ≥ % ≥ 214 ≥ 15 ≥ % 77.9 रक व रुक व 73.4 37.0 39.9 39.0 NO CELLING 44.5 40.5 48.4 48.8 49.1 49.1 49.1 49.1 49.1 49.1 49.1 ≥ 20000 4 7 . 1 1 - 7 - 7 - 9 - 9 - 47 - 9 - 47 - 1 - 47 - 5 - 49 - 8 - 4 > 16000 ≥ 14000 ≥ 12000 ≥ 10000 ≥ 9000 . 1 49.3 51.1 54.9 61.4 61.8 62.2 ≥ 8000 ≥ 7000 \*\* .2 53.7 55.5 61.1 ·2.5 63.3 \*3.6 64.1 64.3 64.3 64.3 64.3 64.3 64.3 • 3 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 0.0 64.7 67.8 77.7 79.9 61.6 92.3 37.7 83.4 83.9 83.6 83.8 93.8 83.8 83.6 6.8 90.3 88.0 88.0 88.0 88.0 88.0 88.0 88.0 ≥ 3500 -2.5 6-.9 72.4 83.4 66.6 89.1 99.8 90.1 91.2 91.5 91.5 91.5 91.5 91.5 91.5 62.7 69.3 72.8 84.5 77.6 90.1 90.8 91.2 92.7 92.6 92.6 92.6 92.6 92.6 92.6 > 3000 63.3 65.6 73.1 85.5 ≥ 2000 .d (3.3 60.6 73.1 85.5 ≥ 1800 ≥ 1500 1200 700 500 400 300 · 5 63.5 70.0 73.5 87.3 90.8 95.1 05.8 97.5 98.9 100.0100.0100.0100.0100.0100.0 3.0 70.3 73.5 97.3 90.8 95.1 95.8 97.5 98.9100.0100.0100.0100.0100.0100.01 100 (3.6) 70.0; 73.5; 47.3; 90.9; 95.1; 25.8; 97.5; 98.9;100.0|100.0|100.0|100.0|100.0|

TOTAL NUMBER OF OBSERVATIONS

2.0

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J---\_

CEILING							VISI	BILITY (STA	ATUTE MILI	E <b>S</b> )						
PEET	≥ 10	≥ 6	≥ 5	٤ ،	≥ 3	≥ 2'5	≥ 2	≥ 115	≥ 11.	≥ 1	≥ 4	2 4	≥ %	≥ 5-16	≥ 4	÷ 0
NO CEILING		• 1	31.1	33.5	30.1	78.1	5 . 4	39.2	39.3	39.2	39.2	34.2	34.2	₹4.2	39.3	19.1
≥ 20000	o 1,	75.1	3:.1	35.2	37.5	41.6	42.0	42.7	42.7	42.7	42.7	42.7	47.7	42.7	42.7	42.7
≥ 18000	•	29.1	37.1	3: • 2	35.5	41.6	42.1	42.7	42.7	42.7	42.7	42.7	47.7	42.7	42.7	42.7
≥ 16000	• 1	10.4	3.1	75.3	33.5	41.4	42.1	42.7	42.7	42.7	42.7	42.7	47.7	42.7	42.7	42.1
≥ 14000	• 1	1.3	34.5	77.1	4.	1:4 . 1	44.5	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 12000	30.0	73.5	36.7	39.2	4 . 5	48.4	40.1	44.3	49.8	49.8	40.8	49.8	49.8	49.8	49.8	49.5
≥ 0000		75. i	32.2	41.6	57.2	53.0	54.1	55.2	55.2	75.2	5 ≦ • 2	55.2		55.2	55.2	55.2
≥ 9000	`• '	35.7	30.3	41 . ta	50.5	33.4	54.5	55.5	_55.5g	55.5	55.5	55.5	1,5	55.5	55.5	55.5
≥ #000	•	3.4	4 . 7	45.6	55.2	70.4	61.2	+ 3 . O	53.4	63.4	63.4	63.4	67.4	63.4	€3.4	63.4
≥ 7000	2 C . )	24.	43.8	44.6	57.	60.5	62.3	f 4 . 1,	64.4	64.4	64.4	64.4	54.4	54.4	64.4	64.4
≥ 6000	- 1: • <b>!</b>	4 2	44.5	47.3	58.	71.3	63.4	45.1	45.5	65.5	65.5	65.5	85.5	65.5	65.5	65.5
≥ 5000	. 4	42.7	40.1	52.0	64.1	67.3	50. A	71.5	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 4500	i	45.9	51.5	55.2	59.7	72.2	74.7	75.9	77.6	77.0	77.6	77.6	77.t	77.6	77.5	77.0
≥ 4000	-3.1	4	5 1 . 7	58.7	74.1	17.6	80.4	12.9	93.6	93.6	03.6	83.6	63.6	93.5	53.5	93.6
≥ 3500	45.	49.1	54.3	60.1	76.2	(U.1	32.9	دة. a	.6.8	87.2	67.2	97.2	67.2	77.2	87.2	27.2
> 3000	-4.1	4 . 6	55.7	51.2	70.3	62.9	85.1	99.3	9 .4	9(8	90.8	90.8	95.8	90.8	90.5	90.8
£ 2500	4	4	55.0	61.6	79.0	34.0	07.5	90.5	71.0	92.2		72.2	92.2	92.2	92.2	92.3
≥ 2000	4 . 1	u	55.0	61.0	72.4	54.3	37.9				92.9	92.9	92.9	92.9	92.9	92.9
≥ 1800	44.1	4 ) 6	55.9	61.6	79.4	4 . 3	87.0	01.5	- •		92.9		92.9	72.0	92.9	92.9
≥ 1500	. 4 . 5		51.7	51.9	87.4	95.4	89.3	93.2	94.3	95.0	95.0	95.0	95.0	95.D	95.0	95.0
≥ 1200	4		5 2	· · - <del>- •</del>	81.5	6.5	90.0	25.4		•	97.5			97.5	97.5	97.5
≥ 1000	4 . 5,	50 a 2	54.2	62.3	61.9	97.2	91.5	96.8	98.6	99.6	99.6	99.6	99.6	99.6	39 • 6	99.6
≥ 900	4.5		5 i 2	62.3	81.9	7.2	91.5				99.6		-	•		1
≥ 900	4.5	50.2	56.2	62.3	51.9	67.2	91.5							99.5	99.6	99.6
> 700	4 5	50.Z		62.3	21.0		91.5	- ·						00.6		- 4
≥ 700 ≥ 400	4.	50.2			81.9	2 <b>7.</b> 5	91.8		- :				-	Ing.d		
	. 4 . 5		5	62.3	21.3	57.5	91.8							100.0		
≥ 500 ≥ 400	4.5	. 2	5(.2	52.3	81.9	37.5	91.8							100.0	,	
				(2.3	51.9	P7.5	91.8							100.0	7	
≥ 300 ≥ 200	4 . 5		56.2	62.3	61.9	7.5	91.8		,					100.0		
	4				81.9									100.0		
≥ 100 ≥ 0		50.2	;			- 1								100.0	1	_
_ = "		70 € 2	3.04	64.3	210 4	0.100	7100	1102	4-94	1 10 a 3	<u> auuguuji</u>	LOCAL	I Litie U	LUU•U	TOROG	LUUGU

TOTAL NUMBER OF OBSERVATIONS 2-1

DIRNAVOCEANMET SMOS

1. (#

PERCENTAGE FREQUENCY OF OCCURRENCE

## (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY (STA	TUTE MILE	\$1						
PEET	≥ 10	≥ 6	≥ 5	٤ 4	≥ 3	≥ 215	≥ 2	ביו ≤	≥ 1.	_ ≥1	2 4	≥ %	≥ 'a	≥ 5 16	≥ .	≥ 0
NO CEILING	• •	· 2 . 3	31.1	73.1	30.7	:7.7	3 € 9		40.7		40.0	,	47.0		47.7	4
≥ 20000	• ':		73.1		3 1 . 5				43.7				43.7		43.Q	4 1
≥ 18000	• 3	7 • •	3 1 . 1		ર ુ, વં		41.5		43.0			43.0	4.7.d		43.0	4 7 • 1
≥ 16000		-	33.	Т.	3 . 9	9.0	41 <u>.</u> • 5.		43.1				43.7		43.0	47.0
≥ 14000	•	•	24.1		4 . 4	1.1	-			_		44.4	44.4			44.4
≥ 12000			35.0		43.3	45.2	<u>-</u>	47.9			40.3		47.3			49.3
≥ 10000	•		4).4		F 1 • 1		55.6	7.4			50 • Z		5 ° • 2		58.7	58.2
≥ 9000				4.03					<u>_53 • 5</u>			<u> 58.5</u>	5	56.5	58.5	50.5
≥ 8000	• ~	• 1			5.4		04.4		67.1				67.N		67.0	67.3
≥ 7000	• `:	1.1	4 6	11 1 3	50.4		55.	67.0	57 • P		67.8	67.8	67.8	67.1	67.9	67 • स्
≥ 6000	• "	41.5	45.5		61.°	3.7			5 . 9			6°•9		66.9	68.9	£4.9
≥ 5000	1.1	43.	4		54 • 3		7 1.4		73.0	73.0		73.0€	73.0	73.€	73.0	73.7
≥ 4500	7 . 4	47.	5 . 2	Ft • 7	6.0	77.2			75.2		7: • 7	7 % • 2	75.2	75.2	78.2	70.2
≥ 4000	2	47.E.	55•2.	4.	77.7	77.	d1.1	- ? • 3 <sub>.</sub>	34.1	84.1	34.1	84 · 1	84.1	34.1	94.1	84.1
≥ 3500	• •	1.	5	61.7	75.6		83.3		36.7	87.	87.0		87.D	37 · 3	3 <b>7 .</b> 0	57.
≥ 3∩00	•	- 3 . 3	5 - 3	14.4	77.5		£7.0	16.4	71.1		F1 • 5		°1.5	91.5	51.5	21.4
≥ 2500	7.	4 . 4	67.4	-	30 . T	34.4	_		4 7 . 3		93.7	c 3 . 7	97.7	93.7	93.7	3,04
≥ 2000	1.1	4 •	5 . 7	67.0	1.5		70.4	23.7	34.4	94.8	94.8	94.0	94 €	94 . 0	94.8	94.5
≥ 1800	<b>.</b> • '	15.2	61.1	57.4	12.2	35.9			4 . 8				ψE • 2			
≥ 1500	1 • 1	55 • 4		67.4	92.6	6.3		74.4		35.6			95.6	≎5 • 6્		32.0
≥ 1200	1 • "	15.0		67.4	£3.									97.1		
≥ 1000	1.	5.2		<b>€</b>		7.4			48.2				96.9		98.9	- 4
≥ 900	1.	55.2	61.1			·7 • 4							-	98.9		98.9
≥ 800	1.5	35.2		67.4		77.B							00.3			99.3
≥ 700	1.	÷ 5 • 🖫			1	e7.5							•	99.3		
≥ 600	1.5	55 • 2		67.4	⊲ <u>3</u> • <u>7</u> ′	97.P			90.5			99.3		99.3		99.4
≥ 500	1 • °		61.1	67.4		F7.5		-	30 -						99.6	
≥ 400	1.5		61.1	67.4	83.7		93.3	27.8	98.9	90.3	99.3	99.61	20.0	100.01	roc•ala	00.9
≥ 300	i • *			67.4										າວຍ• ໝໍ		
≥ 200	1.		61.1		33.7									1 ១០ - មា		
≥ 100	• •	E 5 • 2'		67.4										າເນ.ຫ່		
≥ 0	1 •	: 5 • ?	61.1	67.4	83.7	97.8	93.3	97.8	99.0	99.3	99.3	79.01	_ n • 0,	<u>170.3</u> 1	10.71	.00.0

TOTAL NUMBER OF OBSERVATIONS

CHANAVOCEANMET SMOS

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## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VISI	BILITY :STA	LTUTE MILE	:51						
FEE7	. د. ځ	ه خ	≥ 5	≥ 4	≥ 1	≥ 210°	≥ 2	≥ v <sub>2</sub>	≥ 1%	<u>*</u> 1	≥ ъ	≥ *	≥ '3	≥ 5 16	≥ .	20
NO CEILING	•	1.	2.3		71.00	*Ç	4-4	10.7	4 . 7	4 4	41.0	4 . 7	u a	41.9	4 . 9	4
≥ 20000	: .		37.8	3 . 3	43.4	4	45.5	43.7	45.2	46.1	45.1	46. 1	40.0	45.1	46.0	44 . 1
≥ 18000		4 5		, ,	4 4 1		45.5			4: .1	_		4-1	44.1	45.1	4 - 1
≥ 16000 1	! •	14.5	37.7		4.6	44	45.5	46.0	41.1	40.1	-		4 · Z	46.2	45.2	450
≥ 14000	•	5	•	6 . 5	, -		46.	47.7		47.3	47.6	47.4	4 4	47.4	47.4	47.4
≥ 12000	3 - 5	7.4	4		4 . 5		57.0	.1.4	-		1.	51.4	51.5	11.0	11.5	51.6
≥ 10000		-0	4 4	41.5	54.7	4	57.2	· £ . ?		55.0	57.6	5 A E		4.5	56.5	58.4
≥ 9000	7.	· · ·	4 . 2.	4 (4 )	E	4 4	57.8	ه د د	39.2	39.3	50.3	49.8	π, τ	50.3	50.3	
> 2000		04.2		- 1 . 7	3 T 7	-1.5	63.	4 . 1	£4.5	54.6	4 ii . +	64.6	13.6		£4.5	64.4
≥ 7000	1.	44			1-1		63.7	65.C.		U5 • 5:	6:06	6: 6	1	, ·	25.6	55.6
> 6000		•	4	3.	61.5		65.3	16.5	66.3	67.1	67.1	47.1	7.1	67.1	47.1	57.1
≥ 5000			-	7.7	. ć . i	5 - 7	00.0	71.2	•	71.3	71	71.6	71.8	71.9	71.4	71.
} ≥ 4500		1.5	5 4		7 . (	73.1	74.4	7t • 3	76.5	75.2	77	77.1	77.0	77	77	77.
≥ 4000 ≥ 4000	•	4 . 1	5:1	. 4 . 7	74.		01.00	12.7	67.7	7.4	7 .	F 7 . 5	7	بخ و 3.		23.5
≥ 1500	•	. 7			7	1.0	54.6	5.5	, , ,	67.4	7	27.4	37.6	27.6	7	77.4
3006			6.2	3.4	. •	4 4		14.7		y • 7	c 9	91.9	٥. ٥	دن م	93.0	c
≥ ;500						5.6	7	31.	41.7	07.1	22.0	92.3	75.3	2 7.	12.7	o - 1
≥ 2000			0.5		_	6.3	-		6.2.1	93.	0	33.9		3.7.7	93.2	03.
≥ 1800		, , ,	· · · ·		1	•	90.1	37.1		9.7	93.4	3.4	97.4	03.4	93.4	03.4
≥ 1500	• .	•	6	• •			9n. 4	/3 • O	37.7	94.2			94.4	Ch L	C 6 . 6	94.4
}	• .	7.3	•		24		71.5		95.5	95.9	- •		6 . 3	96.3	06.3	56.3
≥ 1200 > 1000			64.		5		92.5							98.5		
} - 1	•	7.3		•	_ •		92.5	6.1	- •	72		•		,	98.5	. 1
2 900 }	4 • 1				>5.				-				• .	-		
		57.5	•	· · · · · ·		+	92.0	6 • 3		9 to 1,	•		•		99.9	- 1
≥ 700 ≥ 600	• `		54.0	7 • 1	45-1	-	92.7	6.4		93.3	-	-	A3.0		99.1	
1 -	· · · ·	<i>``!•</i> ₺.	•	1 · • 1	<sup>3</sup> 5 <u>•</u> }		92.0			96.5	•		•	69.4	•	. 4
≥ 500 ≥ 400	•			7 1 1	3 £ • 7				78 · 1					99.7		
- "	. 2•.	7.5		. 1,	45.	. 9 • 0,		16.7.			-+			99 · 6.		- 1
≥ 300	•	* 7 . fc	-	7 • 1.		39.	13.3	26.7		C 0			. •	-	99.9	- 1
≥ 200	2 • 3	7.5	•	$\frac{7}{2} \cdot 1$		<u> </u>				2				- •	99.9	
≥ 100		3 • B		7 1						98.3						
≥ 0		* 7 · 5	64.	7 . 1	· · 3	· 9 . \	93	6.7	96.	96.0	99.3	94.7	00.8	99.9	99.91	100.0

TOTAL NUMBER OF OBSERVATIONS

CONTACTOR ATMENTS OF MORE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7**6** <u>-</u>12 ......

DEC PORTE

VISIBILITY (STATUTE MILES) CEILING ≥2 ≥15 ≥1. ≥1 ≥ 3 ≥ 2'5 44.6 47.1 49.7 59.6 77.2 59.2 50.9 59.0 59.9 59.9 59.9 59.9 50.0 50.9 NO CEILING ≥ 20000 ≥ 18000 ≥ 16000 ≥ 14000 > 12000 ≥ 10000 ≥ 9000 ≥ 8000 ≥ 7000 5000 4000 3000 2000 | 77.7° 91.1° 05.5° 97.5° 99.4 1800 1500 7. 1 75.2 7: 1 75.2 1200 900 800 70.1 75.2 74.3 91.7 6.2 98.11 3.30.30.01.00.31.30.01.00 700 600 500 400 

75.2, 78.3 91.7 96.2 98.1k no. oh 03. oh 00. oh 00. oh 00. oh 00. oh 00. oh 00. oh 00.

6 - 2 76 - 1 75 - 2 76 - 3 91 - 7 26 - 2 98 - 14 0 - 01 00 - 0

TOTAL NUMBER OF OBSERVATIONS

157

DIRNAVOCEANMET SMOS

100

NAVA, AS A TOP ROSE ROOM OF TAX HIM TO LAMBE VIOLE. NO

10 j. j. U.S. 1**3** 1

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

020 03

VISIBILITY (STATUTE MILES) CEILING ≥ 3 ≥ 1% ≥ 1% ; ≥ 1 -1.7 50. ≥ 20000 53 ap. 57 a6; tra3, 61 a 9; 6tta 9; 6tta 4; 6tta 2; 6tta 7; 6tta 9; 6tta 9; 6tta 9; 6tta 9; 6tta 9; 6tta 9; 6tta 9; 22. U 57. E 6. 3 67. 9 FD. 9 67. 9 60. 9 60. 9 60. 9 60. 9 60. 9 60. 9 60. 9 60. 9 60. 9 ≥ 18000 ≥ 16000 <u> 13-5, 57-6, 5.-3; 61-8, 60-9</u> ≥ 14000 > 12000 57 a 6 61 a 6 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 64 a 2 ≥ 10000 ≥ 9000 6000 7000 6000 5000 76.5 62.1 75.1 88.7 4500 3500 3000 3.5, 70.5, 86.1, 90.1, 94.0, 96.0, 96.7, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.0, 98.7, 9 1500 1000 900 > > 3.01.86.3 9.07 95.4 97.4 98.0 99.3 99.3100.0100.0100.0100.0100.0100.0100.0 700 600 500 400 '4 e 21.1 86.8 9 .7 95.4 97.4 98.0 99.3 99.3 100.0100.0100.0100.0100.0100.0100.01 200 86.1 86.8 90.7 95.4 97.4 98.0 99.3 99.3h.00.0h.00.0h.00.0h.00.0h.00.0h.00.0h.00.0

DIPNAVOCEANMET SMOS

NACH, MEATINES AND A LEFT ACTOR OF A DISCUSSION IN

10

75- 17

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY (ST	ATUTE MIL	ES)						
; PEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	2.2	≥ 1%	≥ 11.	≥1	≥ ъ	≥ %	≥ %	≥ 5/16	≥ .	≥ 0
NO CEILING	1.3	3.5	56.5	= 7.2	62.7	12.7	52.7	63.9	64.7	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	1.6	4 . 2	5.7 • 3:	<u>( • i)</u>	63.5	63.9	63.9	55.C	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	1.5	4.2	57.3	F . D	63.0	53.9	63.9	55.0	64.4	65.4	6 ° . 4	65.4	65.4	65.4	65.4	65.4
≥ 16000	1.	54.2	57.7	60.D	63.7	63.9	63.9	65.0	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 14000	1.	4 . 6	57.7		64.2			65.4		65.8		65.8	65.8	65.8	65.8	65.8
≥ 12000	4 • -	57.3	6 . 8	63.5	67.7	67.7	67.7	68.9	69.2	69.2	69.2	67.2	69.2	69.2	69.2	69.2
≥ 10000	. • "	h .4	64.2	66. 7	71.2	71.5	71.9	73.1	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 9000	27.7	51.0	6: 4	68.1	72.3	72.7	73.1	74 . 2	74.6.	74.6	74.6	74.6	74.6	74.6	74.6	74.5
≥ ∎000	. 4	76.0	74.5	77.3	81.9	°2.3	82.7	23.9	84.2	84.6	34.6	84.6	84.6	84.6	84.6	P4 . 5
≥ 7000	.6.5	71.2	75.9	78.5	83.1	93.5,	83.9	85.0	95.4	35.8	85.9	85.8	85.8	85.8	85.8	85.8
~ 6000 ·	7	71.0	76.5	73.2	83.9	84.2	24.6	F5.8	85.2	86.5	26.5	56.5	25.5	86.5	86.5	86.5
≥ 5000	17.0	74.5	74.2	21.9	86.5	86.9	87.3	28.5	P8.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2
> 4500	11.5	76.5	81.2	33.9	87.6	90.0	97.4	\$1.5	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	17.1	70.1	63.1	85.B	91.9	72 . 7	93.1	94.2	94.6	95.4	95.4	95.4	95.4	95.4	95.4	75.4
≥ 3500	3.5	70.9	84.6	97.7	93.9	34.6	95.0	26.5	96.9	97.7	97.7	97.7	97.7	97.7	97.7	97.7
> 3000	: • 5	79.2	85.	88.1	94.6	95.4	95.8	97.3	97.7	98.5	98.5	99.5	98.5	98.5	98.5	96.5
≥ 2500	3.	79.2	8.	20.1	94.5	05.4	95.8	97.3	97.7	98.5	98.5	98.5	99.5	98.5	98.5	93.5
≥ 2000	73.7	79.2	85.0	58.1	95."						98.9				98.9	94.9
≥ 1800	13.0	79.2	85.0	78.1	95.C			4						98.9	98.9	- 1 . T 14
≥ 1500	3.^			:3.1	_						98.9		- •		98.9	93.9
· ≥ 1200	33.0	79.2												99.2		1
≥ 1000	13.7	79.2		68.1										100.0		
> 900		79.2			96.2									170.01		
≥ 600	73.9	79.2		86.1										100.0		
> 700				23.1										100.0		
≥ 600 ≥ 600		77.2		98.1										100.0		
> 500		79.2		98.1		96.9	07.3	98.9	99.2	100.0	00-0	00.0	102.0	100.0	00.0	200-0
≥ 400 ≥ 400	_			98.1			97.3							100.00		
				F8.1				98.0	99.3	100.0	וֹחַת חוֹי	00.0	inn in	100-0	20.0	20.0
≥ 300 > 200		79.2		8.1		96.9	07.3	08.0	99.7	00.3	inn - ni	on n	inn . h	100.0	CD.D	00 0
-				28.1										00.0		
≥ 100 ≥ 0		-		88.1												
		1706	0 2 6	00.1	7000	<u> </u>	7/03	70.7	7706	100.0	T O (1 + O)	U U O U	10000	100.01	UU • U	

TOTAL NUMBER OF OBSERVATIONS 245

DIRNAVOCEANMET SMOS

15

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

Target States

CEILING							VIS	BILITY (ST	ATUTE MIL	ES)						
:PEET:	≥ 10	≥ 6	2 5	≥ 4	≥ 1	≥ 2%	≥ 2	214	≥ 1%	21	2 %	≥ %	≥ %	≥ 5/16	≥ ų	≥ 0
NO CEILING	1	27.1	77.6	23.7	51.5	53.0	54.9	50.0	56.0	56.0	56.0	56 . J	56.0	56.0	56.0	5:
≥ 20000	0.	28 . 5.	35.7.	4 6.	36 a.u.	57.2	62.5	62.4	12.4	62.9	62.8	62.8	62.6	62.8	62.8	62.
≥ 18000	• 6	18.5	35.7	4 .6	56.	*7.5°	67.5	42.4	52.4	62.8	62.8	62.8	67.8	62.8	62.8	62.
≥ 16000	1h.	31.6	35.7.	4 . 61	50.00	57.7.	60.5	62.4	62.4	62.8	62.8.	62.8	67.5	62.8	62.8	62.
≥ 14000		79.	3: .1	41.4	50.0	58.7	61.3	3.5	63.5	63.0	63.9	63.9	63.9	63.9		63.
≥ 12000	7	29.3	37.2	42.5	54.4					67.3				67.3		
≥ 10000	. 3	79.3			62			68.1			63.4	-	4 P . N	68.4	68.4	68.
≥ 9000		9.3	37.2			,				68.8	,		69.8	68.8	68.8	68.
≥ 2000	7	25.7		43.5						75.3						70.
> 7000	7.1	. •	31.7		02.5		- :	- ,		71.4		71.4			71.4	71.
> 4000	- 7 •	30.	30.1	45.1	63.7									72.9	77.0	
> 5000	• -	34 . c								79.3	1				79.3	
- · · · · · · · · · · · · · · · · · · ·		+		54.5										85. N		
≥ 4500 > 4000								-					65 6			
- 1			•	<u>-57-1</u>								91.4	<u> </u>	71.4	ود حديد	61.
> 3000	34								- 1	94.0				94.4	94.4	94.
j	(5 · .	44.4	- F 7-5-3•							96.2					96.6	96.
≥ 2500	· ·	₩2 • >	51.5						-	97.7						98.
≥ 2000	• `.	42.	<u>51.9</u>	61.7										98.5		98,
≥ 1800	37.2	46.7	51.0	61.7	86.5	89.9	94.4	97.7	77.7	98.1	99.5	98.5	98.5	98.5	98.5	98.
≥ 1500		42.9	51.2	61.7	86.5	89.9	94,4	27.7	97.7	98.1.	99.5.	98.5	98.5	98.5	98.5	98.
≥ 1700	3 .5	43.2	5 . 3	€2.D	36 . 8	90.2	94.7	98.1	98.1	98.5	94.9	98.9	98.9	48.9	98.9	98.
≥ 1000	37.5	43.2	52.3	62.	86.8	90.6	95.1.	98.5	98.5	98.9	99.3.	99.3	99.3	99.3	99.31	99.
≥ #00	3	45.2	52.3	62.1	86.8	90.6	95.1	98.5	78.5	98.9	99.3	99.3	79.3	99.3	99.3	99.
≥ \$00	37.0	43.2	52.3	62.	96.8	90.6	95.1	98.5	98.5	98.9	99.3	99.3	99.3	79.3	99.3	99.
≥ 700	•	43.2		62.	86.8											
≥ 400	77.5		52.1	_		90.6		98.5	98.5		99.3				99.3	99.
> 500			52.3	€2.0				78.9		99.3				99.4	99.6	
≥ 400 ≥	_	43.2		62.0	1			1								_
-				62.0		91.0	95.5							100.0		
≥ 100 > 100			1	62.0	- 1			99.3		1				100.0	1	
- ··· }																
> 100	37.0			62.0										100.0		

OTAL NUMBER OF OBSERVATIONS 2

NAVA, WEATHER RESERVE FRANCIS NEW HEARING NO

## **CEILING VERSUS VISIBILITY**

- " | L. J. 13 | A

73-32

DEC

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1?

CEILING							VIS	BILITY (ST	ATUTE MILI	ES)						
FEET	≥ 10	2 6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	<u>≥</u> 15	≥1.	≥ 1	≥ %	≥ •	≥ 'n	≥ 5/16	≥ 4	≥ o
NO CEILING	. ₹. 7	• 1	5/.3		62.1									63.2	_	-
≥ 20000	46.	3.4	5 . 7			(9.3				70.4				78.4	70.4	74
≥ 18000 > 16000	•	73.4	51.		-	49.7	-			77.6			70.8		70.9	70.9
		3.4		64.6			71.5			7.1.5		70.8	79.8	70.6	70.8	75.6
≥ 14000 ≥ 12000	,	54.5	62.5	66 U	71.8	71.3	72.9	72.9		72.9		72.9	72.9	72.9	72.9	72.9
≥ 10000	٠.	. u = /.		57.2						76.2		76.2		76.2	76.2	76.2
≥ 9000		. •	62.8	67.5	74.7	75.1	76.9			77.3		77.3	77.3	77.3	77.3	77.5
≥ #000	4	77.4	65.3	70.4	77.5	73.6				80.5			PD.5	en.5	90.5	
≥ 7000		57.8	65.7	7 . 8	78.3	78 . 7	85.9	°1.2	21.2	51.2	5 · ?	31.2	81.2	91.2	61.2	81.2
≥ 6000	1.3	\$5.0°	60.8	71.3	79.4	79.8	82.0	32.3	F2.3	92.3	62.3	82.3	62.3	82.3	87.3	92.3
≥ 5000	2.	~3.7		73.7	81.6	:2.	84.5	44 . 9.	84.2	84.8	84.8	84.8	£4.₽	84.6	84.8	54.8
≥ 4500		1.2 . 5		75.2						£ 6 . 8		88.8	84.5	88.8	3 . 8	83.6
≥ 4000	4.	_63•			86.3	7.				91.0			91.3	91.3		91.3
≥ 3500	5.7			79.7											93.1	
> 3000			73.7		83.0	10.5	93.9			95.3			95.7		95.7	
≥ 2500 > 2000		(5.3)				11.0				96.4			• .		96.5	
-	<u>.</u>	55.7 55.7			91 · D			67.1			97.8			97.8. 97.8		
≥ 1800 ≥ 1500		65.7	_			1.7								98.6		
- {	7.4	56.4		5 0										99.6		
≥ 1200 ≥ 1000	.7.4	A6.4	75.1	_	92.1		96.4			99.3			-	170.01		
≥ 900	7.4	56.4				72.8	96.4							1 10.0		
≥ 800	47.4	56.4	75.1	80.9	92.1	2.8	96.4	-	-					170.0		
≥ 700		6.4	75.1	92.91	92.1	2.8	96.4	08.6	99.3	99.3	99.6	79.6	90.6	10.0	100.0	100.0
≥ 600		96.4	75.1	FC.9		12.8	96.4			99.3				100.00		
≥ 500	57.4	66.4	1			.2.8								100. <u>0</u>		
≥ 400	51.4	56.4	75.1			92.3								130.01		
≥ 300	57.4		75.1	- 1										100.0		
≥ 200	• 4.	66.4	1	A . 9										100.0		
≥ 100				9 . 9										100.0		
≥ 0	5.7.4	66.4	75.1	80.9	92.1	72 . 8	76.4	98.6	99.3	77.3	79.6	79.6	99.6	1.00 • Op	100.00	100.0

TOTAL NUMBER OF OSSERVATIONS 277

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11-15

1 "

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VISIBILITY (STATUTE MILES) CEILING FEET ≥ 115 ≥ 11. ≥ 1 24 1 24 \*1.1 54.4 55.4 59.1 0.1 60.9 60.5 60.5 60.5 60.5 60.5 60.5 60.5 67.8 67.8 67.5 67.5 NO CEILING > 20000 ≥ 16000 55.4 60.9 ≥ 12000 ≥ 10000 ≥ 9000 ≥ 7000 4000 62.7 65.5 71.4 78.6 FC.1 4500 4000 57.4. 73.5. 76.5. 85.9. 67.3. 90.6. 91.7. 91.7. 91.7. 91.7. 91.7. 91.7. 91.7. 91.7. 91.7. 91.7. 91.7. 3500 3000 64.8. 75.4. 72.6. 89.1. 51.3 94.6. 96.4. 96.4. 96.4. 96.4. 96.4. 96.4. 96.4. 96.4. 96.4. 96.4. 90.4 58.6 7 .4 70.0 89.1 91.3 94.6 96.4 96.4 96.4 96.4 96.4 96.4 96.4 ≥ 2500 (+ . 8, 75 . 4, 79 . 5, 89 . 1, (1 . 7), 95 . 3, (27 . 1) 97 . 1, 97 . 5, 97 . 5, 97 . 5, 97 . 5, 97 . 5, 97 . 5 75.4 70. E 9 . 1. 71.7 95.3 97.1 97.5 97.8 97.8 97.8 97.8 1800 75.7 74.4 89.9 52.4 96.3 97.8 98.2 98.9 93.9 98.9 98.9 98.9 98.9 98.9 69-2 7 - 7 - 7 - 9-4 89-9 92-8 96-4 98-2 98-9 99-6 99-6 100-0100-0100-0100-0100-0 69.2 75.7 79.4 87.9 92.4 96.4 98.2 93.9 99.6 99.6 100.0 00.0 0100.0 100.0 100.0 77.4 89.9 92.8 96.4 98.2 98.9 99.6 99.6 100.0100.0100.0100.0100.01 400 3.4 69.2 75.7 77.4 89.0 500 400 300 100 69-2 75-7 79-4 89-9 72-8 96-4 98-2 98-9 99-6 99-6 100-0 100-0 100-0 100-0 100-0

TOTAL NUMBER OF OBSERVATIONS 276

DIRNAVOCEANMET SMOS

48

. 11

MANAGERATION WAS A BURELOWN AT ABOUT A

 $\frac{\mathcal{M}(\frac{1}{2},\frac{1}{2})}{|\mathcal{S}|^{\frac{1}{2}}} = \frac{1}{2}f(1-\frac{1}{2},\frac{1}{2})$ 

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18

VISIBILITY (STATUTE MILES) CEILING ≥ 3 ≥1% ≥1% ≥1 5 . 16 54 . ct 56 . 3 57 . 0 57 . 4 57 . 4 57 . 4 57 . 4 NO CEILING ≥ 18000 .44.4 47.3 61.7 62.5 63.9 (4.6165.5 65.4 65.4 65.5 65.D 65.D 65.D 65.D 65.D 65.D 27. 4 44. 47. 7 61. 4 F3. 2 64. 5 55. 3 65. 7 65. 7 65. 7 65. 7 65. 7 65. 7 65. 7 65. 7 65. 7 ≥ 14000 ≥ 12000 ≥ 10000 8000 6000 5000 4500 3 500 3000 2500 2000 F0.9 1500 7 57.9 59.6 63.9 66.6 71.7 95.0 77.5 97.8 97.8 97.8 98.2 98.2 98.2 98.2 98.2 98.2 1000 900 800 <u>></u> 47.7 50.9 50.6 63.9 86.6 41.7 95.1 98.2 98.6 98.6 98.6 98.9 96.9 98.9 8.9 87.7 50.9 50.6 63.9 86.6 41.7 95.0 98.2 98.6 98.6 98.6 98.6 98.9 98.9 98.9 87.7 10.9 59.6 63.9 86.6 87.0 92.1 47.7 50.9 59.5 63.9 59.6 63.9 37.0 72.1 95.3 98.6 98.9 99.6 99.6100.0100.0100.0100.0100.0 59.6 63.9 87.0 92.1 95.3 98.6 98.9 99.6 99.6100.0100.0100.0100.0100.0 59.6 63.9 87.7 92.1 95.3 98.6 98.9 99.6 99.6100.0100.0100.0100.0100.0 50.9 59.6 63.9 37.0 47.7 5... 9 59.6 63.9 87. 45.7 50.9 59.6 63.9 87. 50.9 50.6 63.9 87.7 92.1 95.3 48.6 98.9 99.6 99.6100.0100.0100.0100.0100.0

TOTAL NUMBER OF OBSERVATIONS 2.71

DIRNAVOCEANMET SMOS

MANAGER AND STREET AND COMMING A RECORD OF ME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

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21

							VISI	BILITY (STA	TUTE MILE	(S)						]
CEILING FEET																
,7861	≥ 10	≥ 6	≥ 5	≥ 4	≥ 1	≥ 214	≥ 2	≥ 1%	≥ v.	≥ 1	≥ •	≥ 4	≥ %	≥ 5/16	≥ 4	≥ 0
NO CEILING	.7	37.1	41.3	42.4	55.0	55.3	57.5	57.5	50.3	58.3	58.3	58.3	53.3	58.3	59.3	58.3
≥ 20000	۰. 🔻	u . J	47.3	47.0	57.9	59.2	60.9	60.8	61.7	61.7	61.7	51.7	61.7	61.7	61.7	61.7
≥ 18000	• ;	i	43.3	47.	57.9	59.3	60.8	57.8	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	•	41.5	4 * . 5	47.4	57.9	59.2	60.8	60.8	41.7	61.7	61.7	61.7	41.7	61.7	61.7	61.7
≥ 14000		46.3	47.3	47.	57.9	59.2	61.3	61.3	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 12000	1.:	42.1	41.5	1.3	62.1	33.3	65.4	65.4	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
_ 10000 T	7	45.4	4 7 . A.	e4.6	66.7	68.3	70.8	71.3	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 9000		45.4	47.3	54.6	66.7	59.2	71.3	71.7	72.5	72.5	72.5	72.5	72.5	72.5	72.5	72.9
≥ 8000	4 4	47.3	57.5	S . 8	71.3	74 . 2	76.3	77.1	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥ 7000	4	47.4	52.5	: 4 . 8.	71.7	74 . 6	76.7	77.5	73.3	76.3	78.3	78.3	76.3	78.3	78.3	78.3
≥ 4000		46.3	59	59.2	72.5	75.8	78.3	79.2	22.7	eg.d	89.7	80.0	60.3	60.0	80.0	eñ.d
≥ 5000	د پ	51.7	55.7	62.9	76.7	8.1.1	62.9	93.8	34.6	84.6	84.5	94.6	94.5	84.6	84.6	84.6
> 4500	1		6 . 4	00.7	811.4	14.2	87.5	P 8 . 3	97.7	89.2	89.2	89.2	89.2	39.2	89.Z	89.7
≥ 4000	4 . ₹	36.5	62.1	6 . 3	33.3	7.1	97.8	91.7	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 3500		56.7	62.5	63	85.	"B.a	92.	93.3	74.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3000	4.6	57.5	67.3	69.6	37.1	10.5	94.5	75.4	96.3	96.3	C6.3	96.3	26.3	96.3	96.3	96.3
≥ 2500	' 4 . c'	57.5	6 1 - 3	64.6	97.1	90.8	04.6	05.4	96.3	76.3	96.3	96.7	96.7	96.7	96.7	96.7
≥ 2000	5.3	57.9	53.8	7 .3	37.9	91.7	95.4	96.3	97.1	97.1	97.1	97.5	97.5	97.5	97.5	97.5
≥ 1800	` 5 <b>. ~</b> `	5.7.4	67.9	70.0	83.3	72.1	95.8	96.7	97.5	97.5	97.5	97.9	97.9	97.9	97.9	97.9
≥ 1500	5 . 7	57.9	63.3	70.0	88.8	72.5	96.3	97.1	97.9	97.9	97.9	98.3	98.3	98.3	98.3	99.3
≥ 1700	5.4	SA, T	64.6	70.8	39.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 1000	· > •	E 8 . 3	64.6	70.8	89.6	3.3	97.1	97.9	99.8	99.2	99.2	99.6	99.6	99.6	99.6	99.6
≥ 900	5.4	58.3	64.6	7 . 5	89.6	93.3	97.1	97.9	93.8	99.2	79.2	99.6	99.6	99.6	90.6	99.6
≥ 800	5 • 4	56.3	64.6	7 . 3	89.6	93.3	97.1	97.9	98.8	99.2	99.2	99.6	99.6	99.6	99.6	99.4
≥ 700	5.4	58.5	64.6	7 .8	89.0	03.3	97.1	97 7	98.9	99.2	99.2	99.6	99.6	99.6	99.6	99.4
≥ #00	5 . 4	56.3	64.6	7 . 8	89.6	¢3.3	97.1	97.9	98.8	99.2	99.2	99.6	97.6	99.6	99.6	99.0
Ì ≥ 500 Ì	5.4	58.3	64.6	77.8	80.6	13.8	97.5	98.3	99.2	99.6	99.6	100.0	102.0	100.0	100.0	reo.d
≥ 400	5.4	54.3	64.6	70.6	99.6	93.8	97.5	98.3	99.2	99.6	99.6	100.0	120.0	100.q	100.0	100 d
≥ 300	5.4	58.3	64.6	72.8	39.6	73.8	97.5	98.3	99.2	99.6	99.6	100.0	inc.d	100.0	100.0	100.0
≥ 200	5 . 4	58.3	64.6	70.8	89.6	93.8	97.5	98.3	99.2	99.6	99.6	10 <b>0.0</b>	១០.ជ	100.Q	100.d	roo.d
≥ 100	5.4	58.3	64.6	7 .8	89.6	93.8	97.5	28.3	99.2	99.6	99.6	100.0	100.0	100.0	100.7	100.0
2 0	5.4	58.3	54.6	74.8	89.6	-3.5	97.5	98.3	99.2	99.6	99.6	LCO.D	100.0	100.Q	100.0	100 d

TOTAL NUMBER OF OBSERVATIONS

240

DIRNAVOCEANMET SMOS

NAVA, WEATHER TEXT OF TARREST AND ADDRESSED IN

73-07

010

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

							VISI	BILITY (STA	ATUTE MILE	 !\$1						
CEILING FEET					•										•	
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 214	2.2	≥ 1%	≥ 1%	≥1,	≥ .	≥ 4	≥ %	≥ 5/16	≥ '•	≥ 0
NO CEILING	0.5	-3.5	4 .0	57.3	57.5	58.3	59.1	£4.6	50.9	59.8	59.8	59.8	59.8	59.9	59.8	59.3
≥ 20000	7.43	45.3	* 1 • J	4 . 5	62.5	63.5	64.6	65.1	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥ 18000	2.4	45.7	51.1	.4 . 3	4	-3-5	64.5	55 . 2	55.4	65.4	65.4	65.4	05.4	65.4	65.4	65.4
≥ 16000	2.0	45.	51.1	" 4 . 4 <sub>1</sub>	62.6	63.5	64.7	55 · 3	65.5	65.6	65.6	65.6	65.6	65.5	65.6	55.6
≥ 14000	12.	46.1	51.3	54.7	53.1	44.1	65.2	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 12000	4 • •	47.0	5 7 . 4	56.9	65.8	66.4	68.1	68.8	59.1	69.1	69.1	69.1	60.1	69.1	69.1	69.1
≥ 10000	1.7	าก. 3ั	55.5	50.7	69.4	7 1.5	72.5	73.3	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	· 7	C . 5	56.3	60 . 1	70.0	71.5	73.3		74 . 7		74.4	74.4	74.4	74.4	74.4	74.4
≥ \$000	46.	= 4 . U	63.2	£4.2	74.6	76.3	78.1	79.7	70.3	77.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 7000		14.4	67.7	64.7	75.3	76.9	78.8	79.8	90.0	80.7	€ 7 • 2	80.2	3 . 2	80.Z	80.2	<u> 50.2</u>
≥ 6000	11.	ં કે • ડે	61.5	65.6	76.7	78.0	80.0	91.3	91.3	81.4	81.4	81.4	91.4	A1.4	81.4	81.4
≥ 5000	1.7.	57.3	64.	6 • 5	70.5	21.4	83.7	84.7	84 • 9	85.0	e 5 • D	35.0	85 • D	85.0	85.7	85 • q
≥ 4500	4.7	55.8	55.2	71	ê 2 • 8	64.8	57.3	c 8 . 5	88.7	86.8		98.8	8 R • Bi	88.8	88.8	48.a
≥ 4000	• 3	11.2	6 .1	73. 1	45.9	38.1	36.8		1	92.5	,	92.5	92.6	92.6	92.6	90.6
≥ 3500	S . 7	A1.7	69.9	74.0	87.3	89.7	92.4	04.0	94.2	94.3	94.4	94.4	74.4	94.4	94.4	34.4
≥ 3000		-52 • 5	67.6	74.7	88.7	01.2	94.3	?5 ∙ 8	96.	96.2	96.3	96.3	94.3	96.3	96.3	94.3
≥ 2500	_5 / • ₹	62.6	70.5	75.1	89.3	71.9	94.7	36.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2000	· 7 •	3 • 1	70.2	75.4	89.8	92.4	95.3	97.2		97.7	97.8	97.9	97.9	97.9	97.9	97.9
≥ 1800	• /	43.1	70.3	75.4	8 5 9		95.5		97.7	97.9	98.0	98.1	59.1	98.1	98.1	58.1
≥ 1500	. 1	63.2	7 .4	75.6	90.7	33.C	95.	97.7		98.4	98.5	98.6	98.6	98.6	98.6	98.5
≥ 1700	• • •	∪ <b>3 •</b> ⇒	7 .7	75.8	90.60	73.4	96.3	95.3		99.1		,,,,,				99.3
≥ 1000	- 3	03.5	7.7	75.8	91.7	63.6	96.5	96.5	93.4		99.4	99.5	99.5		99.6	99.5
≥ 900	11.3	63.5	7.7	75.8	97	43.6	96.5		99.4			99.5	99.5	99.6	99.6	99.6
≥ \$00	: • 3	43.5	70.7	75.8	97.7	73.6	96.5	08.6	99.0		99.5	99.6	99.6	99.7	99.7	99.7
≥ 700	। ं ~ • <u>इ</u> र	53.5	77.7	75.8	90.7	c3.5	96.5		;	99.4	- 1		99.6	99.7		99.7
≥ 600	50.3	53.5	7 . 7	75.8	90.7	73.6	96.5	98.6				99.6	99.6	99.7	99.7	99.7
≥ 500	5 . • T	ნ3 • 5∤	7 . 7	75.8	97.8	93.7	96.6			99.5		99.8	59.8		99.8	99.9
≥ 400	35.3	63.5	7 . 7	75.a	97.8	93.8	96.6	98.8			99.7		99.8	99.9		99.9
≥ 300	, i • 3	03.5	7 7	75.8	90.8	93.8	96.6		99.7					100.0		
≥ 200	• 3	63.5	77.7	75.8	97.8	93.8								100.0		
≥ 100	1	63.5	70.7	75.8	9C . 3	93.8	96.6	98.8	99.2	99.7	99.8	0.00	100.0	100.0	100.0	100.0
≥ 0	5 • 3	63.5	70.7	75.8	90.8	93.8	96.6	98.8	99.2	99.7	99.8	10.0	00.0	0.00	100.D	100.0

TOTAL NUMBER OF OBSERVATIONS 1904

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING							VISI	BILITY (STA	TUTE MILE	ES)					-	
FEET	≥ 10	≥ 6	≥ 5	≥ 4	<b>≵</b> 1	≥ 2%	≥ 2	≥ 1%	≥ 1.	≥1	2 6	≥ 4	≥ 4	≥ 5:16	≥ '•	≥ 0
NO CEILING	•	- • 1	3 1 . 1	1.5	34.4	14.9	35.3	35.6	35.8	35.€	35.9	35.7	35.0	35.9	35.9	35.9
≥ 20000		14.1	36 . 7	79.61	42.6	43.2	43.9	44.3	44.5	44.6	44.7	44.7	44.7	44.7	44.7	44.7
≥ 18000	•	74.2	36.7	33.7	42.7	43.3	47.7	44.4	44.6	44.7	44.8	44.7	44.8	44.6	44.5	44.8
≥ 16000	• •	34 . 2	36.9	33.7	42 . T.	43.5	44.0	44.4	44.6	44.7	44.8	44.0	44.8	44.8	44.8	44.9
≥ 14000	1.	35.2	37.€	39.9	44.1	44 . 8	45.5	46.1	45.1	40.4	46.3	46.3	45.4	46.4	45.4	46.4
≥ 12000	4 , 1	3 .1	41.1	43.4	46.2	49.1	49.8	5: • 4	55.6	50.7.	57.6	50.a	50.9	20.0	50.9	50.3
≥ 10000	17.3	41.5	45.2	47.8	53.5	4 . 5		56.2	56.4	56.5	56.7	56.7	56.7	56.7	56.7	56.5
≥ 9000	37.7	4: . 3	45.7	43.3	54.1	5.2	55.1	56.9	57.1.	57.3	57.4	57.4	57.4	57.4	57.4	57.5
≥ 8000	~ • · ·	45.2	4 20 3	51.9	53.3	59.6	60.7	61.5	61.9	62.1	67.1	52.1	52.1	62.2	62.2	62.3
_ ≥ 7000	. " . "	45.7	49.5	2.5	53.7	10.3	61.4	42.3	62.5	62.8	62.9	62.9	63.9	62.9	62.9	62.9
≥ 6000	1.5	46.5	5 . 4	53.4	60 • B	⇒1 • <del>4</del>	62.6	63.4	63.T	63.7	54.0	64.0	64.0	64.1	64.1	64.1
≥ 5000	3.3	4 F 👲 🌠	5 ~ B	5501	63.2	14.7	66.0	66.7	67.2	67.4	57.5	67.6	67.6	67.0	67.6	67.4
≥ 4500	45.3	24.4	55.3	58.8	66.7	68.3	69.7	7(.8	71.2	71.4	71.5	71.5	71.6	71.6	71.a	71.6
≥ 4000	. ~ 7 • <u>5</u>	-3.5	51.4	62.3	71. 7	73.2	74.9	76.2	76.7	76.9	77.1	77.1	77.1	77.4	77.1	77.4
≥ 3500	42.43	55.1	63.1	64.3	74 . 1	76 - 1	78.3	79.5	8 3.0	AC.4	A7.5	80.5	ø.∵• <b>6</b>	90.05	80.6	80.4
≥ 3000	L.2	5€.9	62.1	66.6	77.2	79.5	81.7	83.4	94.1	34.4	84.6	84.7	34.7	84.7	84.7	84.7
≥ 2500	1.1	57.9	63.3	67.9	79.0	1.4	P3.8	85.6	80.3	86.7	86.9	86.9	66.4	87.3	87.3	67.0
≥ 2000		58.	64.3	69.1	87.7	83.3	5 · 3	87.7	88.4	88.9	89.1	39.1	87.1	89.2	89.2	80.2
≥ 1800	•	ે દે⊸ 9ે	64.0	67.2	30.8	43.4	85.9	97.8	88.6	89.0	89.3	89.3	89.3	89.3	89.3	89.4
≥ 1500	5	31.5	65.1	7 .5	P 2 . 3	75 <u>.1</u>	87.8	90.0	33.8	91.4	91.7	71.7	91.7	91.0	91.8	91.9
≥ 1200	2.7	57.7	65.4	7 .4	83.2	86.2	89.2	°1.6	97.6	73.3	93.6	93.7	93.7	93.8	93.B	93.3
≥ 1000		59.9	6 6	7 7	84.1	37 . 1,	90.4	93.3	94.4	95.4	95.8	95.9	96 • Q	96.0	96.Q	96.Q
≥ 900	52.4	59.3	65.7	7^.7	E 4 . 1	77.2	90.5	93.4	94.5	95.6	96.7	76.1	96.2	96.2	96.2	96.2
≥ 800	2.	40.0	65.3	71.0	84.5	7.8	91.2	94.3	95.7	96.8	97.3	97.5	97.6	97.6	97.6	97.7
≥ 700	200	€0 • 1	55 - A	71.0	84.7	28.P	91.5	94.6	96.1	97.3	97.8	98.0	73.1	98.2	96.2	98.2
≥ 600	7.	F 3 . 1	65.7	71.1	34.8	88.2	91.9	94.9	96.5	97.7	98.4	98.6	99.7	98.7	98.7	93.8
≥ 500	3	50 • 1i	6.0	71.1	84.7	38 . 3	92.0	95.2	96.9	98.2	98.9	99.1	99.7	99.3	99.3	59.4
≥ 400	3.	50.2	66.F	71.2	5 % . D	28 · 5	92.1	95.4	97.1	98.5	99.1	99.4	99.5	99.6	99.7	99.7
≥ 300	3.	50.2	66.3	71.2	85.1	38.5	92.2	95.5	97.2	98.6	99.3	99.6	99.7	99.8	99.9	99.9
≥ 200	3.	50.2	66	71.2	85.1	18.5	92.2	95.5	97.2	98.6	00.3	99.6	99.7	99.9	99.9	rco.d
≥ 100	3.0	5C . 2	66.3	71.2	BS.I	38.5	92.2	95.5	97.2	98.6	99.3	99.6	,0.7	99.9	99.9	100.0
≥ 0	3 . G	60.2	65. 4	71.2	85.1	28.5	92.2	75.5	97.2	98.6	99.3	99.6	99.7	99.9	99.9	100.d

TOTAL NUMBER OF OBSERVATIONS 24185

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#### PART E

#### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative numidity. The rder and manner of presentation follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three deparate tables as follows:
  - a. Paily maximum temperature
  - Daily minimum temperature
  - b. Daily minimum temperaturec. Daily mean temperature
- 2. Extreme value: derived from daily observations with extreme value given for each year and month of record available. Extreme, are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are commuted for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
  - a. Extreme maximum temperature
- NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
- o. Extreme minimum temperature
- Syvariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temicrature. Fig. targitting is derived from t-hearly observations and is presented by month and annual, all hours and dischar communed. The following information is provided:
  - a. The main body of the summary condicts of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread norizontally; by 2-degree intervals of dry-rulb temperature vertically. Also provided for each dry-bulb temperature interval is the total of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in a me caued.

NOTE: A percentage frequency in this table of "." represents one or more occurrences amounting to less than . 35 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of equares  $(\sum X^2)$ , sums of values  $(\sum X)$ , means  $(\sum X)$ , and standard deviations  $(\sigma X)$ . The number of observations used in the computations for each element is also shown.
- e. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bule, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.
  - NOTF: Wet-sule temperature usually was not reported prior to 1946. Relative numidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for popervations recorded during these periods. All values of dev-point temperature and relative manidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the cean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and smeal and again at the pottom for all nours combined. Records for all years available are combined. Taules are prepared for the following:
  - a. Dry-tilb temperature

  - i. Wet-bilo temperaturec. Dev-point temperature
- 5. Similative percentage frequency of occurrence of relative numidity This summary is derived from hourly elervation, and presents the camulative percentage frequency of occurrence of relative numidit; by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - . Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All group are also combined for this summary.
  - <u>r the linguise. I securities of in-that temperature versionwind direction</u> This far nation in The filter house of generalizes as filter dented by month and a heal, all higher and chars and in-ter. The original community of solutions of the only temperatures of real vertically in four processions. ora i novo a liberio no l'amb mil i ribertiona (più bem).

#### **DAILY TEMPERATURES**

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ATSUUL LAPAN

1-63, 66-71

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE FROM DAILY OBSERVATIONS

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6.5		•				_ <b>,</b> `	14.0	30.2	5.5	,		-	- 1
,					• 4.	9.6.	46.7	69.3	26.1	_ 4			12.5
	• .			. 6	9.1	37.0.	71.7	87.5.	53.7	3.6.		-	21.7
75	•	. <b>u</b>	. 2.	o • 7.	36.2	63.9	92.6	97.2	78.4.	24.5	2 . 4	-	33.9
7	• • •		2.9	2 0.	69.9	87.4.	98.1.	77.42.	92.5.	54.3	12.9		# F 2
£ <b>5</b>	. 1.1.	3.5.	14.9	52.1	90.0.	96.1.	99.3	100.0	78 a.L.	74.6.	37.1	5 7	55.9
£ 5.	. 4.7.	12.0.	32.9	78.7	96 .8.	99.1	100 aC.	IHUS L.	133.3.	02.6	60.4	21.1	33.7
	. 19	27.2	58.5	92.9	79.6	100.0	Iuu al.		12462.		83.3		77
2a . Si .			77.4			TUL . U.		•		99.6		47.6.	1104
	43.9	54.5			100.0.					100.0	95 • 7.	77.6.	87.6
45	. 84.6.	82.3.	93.6.	9.8.							99.4.	95.3	96 . 2
4 C .	. 77.8.	95.3.		100.D.							100.0	99.4	99.3
35	. 99.6.	99.6.	29.8.									100.0.	99.49
7€.	_ 186•3.	10.0	130.0									-	100.0
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	40.7	5- 4	55.9	64.P	72 • 1	76.9	83.1	86.3	79.7	69.5	61.5	54.3	67.1
5 D	5.667	7.009	7.666	6 . 8 5 4	5.869	6.231	6.002	5.451	6.595	6.465	6.984	6.087	13.120
TOTAL OBS	5 <u>85</u>	5 38	557	539	558	54 D	527	527	510	527	510	527	6 7 9 8

NAVWEASERVOM

#### **DAILY TEMPERATURES**

PATAL PATAL TELETA

£1-63. 66-71 (EARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE -FROM DAILY OBSERVATIONS

"INIM\_"

EMP *1	JAN	FEB	MAR	APP	MAY	JUN	JUL	AUG	SEP	oc!	NOV	DEC	ANNUAL
75	<u>.</u>					. 4.	13.9	26.6	4 . 1.				7
72	_				• 2.	£.1.	61.3.	76.5	24.1.	• 2.			134
2.5					1.5.	30.7.	90.5.	97.2	57.3.	3.4			~ ? .
L _	-		• •	2.4.	14.2	72.0	98.7.	103.0	84.7	16.9	. 2.	_	32.
2.5			1.3	12.2	52.3.		100.0		96.3	49.3	4.1		42
11		٥٥	3.4	32.8.	83.7	99.3			99.4	80.3	19.0	1.1.	51,
4.5		_		56.6		120.B.			100.0		46.9	4.9	59
4.2	. 3.4		32.9	54.2	39.8					98.3	74.9	19.D	65.
3 5	. 14.5			95.9.	150.0					136.0	89.8	40.8.	76
12	41.4		84.9	99.8						•	97.5	70.0.	87.
	72.			100.D							59.8	91.5.	94
5.5	92.5										100.5		9.9
15		100.0										100.0	33
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MEAN	25.1		36.3	46.2	54.4	62.1	70.1	71.9	1.5.4	54.1	43.6	33.2	49.
5 D	7.17	6.590	6.851	6.781	5.365	4 . 816			409	5.892	6.814	6.535	16.0
OTAL OBS		1	557	519			527	527	51.1	527	510	527	6.3

NAVWEASERVCOM

### **DAILY TEMPERATURES**

STATES AT SUBI. JAPAN NAME

£1-63, 66-71 YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

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TEMP "F	JAN	FEB	MAR	APR	MAY	JUN	101	AUG	SEP	OC1	NOV	DEC	ANN
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						1.1.	32.3.	58.1.	11.5.			-	_
75.					a 4.	15.D.	69.4.	87.9.	39.8.	• 3.		_	1
7				. b.	7.2	55 <sub>4</sub> 0.	93.5.	98.1	72.2	5.5			2
2.4			• 2.	7.6	42.8	86.3.	98.9	99.6	92.5.	33.0	2.2	-	3
	•			1 6 6.									-
5			2.0.	20.3.	81.9.	97.4.	100.3.	Innen	99 <b>.</b> B.	68.1	13.1	* D	4
<b>55</b> .		2 a C.	11.3.	57 <b>.</b> 0.		100.0.			100.0.			3.6.	5
5.2	. 2 •=.	7.1.	30.9.	86.3.	120.0.					99.8.	. 73.5.	15.2.	6
4.5	11.5	20.1.	61.0	97.6.						100.0	90.0.	42.5	7
4	42.9	50.0	85.3	99.6.	•		•	•	•		99.2	78.0.	8
						•		•					_
35 .	. 36.2.	89.4.	98 • 4.	100.D.			•		•		99.8.	97.7.	9
33 .	. 96.4.	99.6.	100.0.			-					. 100.c.	100.0.	9
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MEAN	39.7	40.5	46.4	\$5.0	63.4	49.8	76.8	79.4	72.0	62.0	52.4	44.0	58
S D	4.514	5.503	6.261	5.877	4.389	4.714	4.491	3.962	5.366	4.987	5.90	5.392	14.
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NAVWEASERVOM

#### NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

#### **EXTREME VALUES**

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION STATION NAME

1-63, 66-71

VEADS

WHOLE DEGREES FAHRENHEIT

	56 64 61 75 59	63 59 64 59 67 65	74 75 73 72 64 70	78 77 75 93 77 81	81 87 82 86 82 84	89 89 86 83 87 90	93 94 92 96 93	95 93 93 93	73 90 98 92 93	79 79 88 79 81	79 77 75 76 71	63 69 68 65	96 95 93 96 93
	6, 64 61 75 59	59 64 59 67 65	75 73 72 64	77 75 83 77	87 82 86 82	89 86 83 87	9 6 9 6	96 93 93	90 98 92	79 98 79	77 75 76	63 69 68	95 93 96
	6, 64 61 75 59	59 64 59 67 65	75 73 72 64	77 75 83 77	87 82 86 82	89 86 83 87	9 6 9 6	96 93 93	90 98 92	79 98 79	77 75 76	63 69 68	95 93 96
	64 64 61 75	59 64 59	75 73 72	77 75 83	87 82 86	89 86 83	9 6 9 6	96 93 93	90 98 92	79 98 79	77 75 76	63 69 68	95 93 96
	61 64 61	59 64 59	75 73	77 75	87 82	89 86	0 <b>4</b> 92	76 93	90 98	79 98	77 75	63 69	95 93
	64	59 64	75	77	87	89	Ob	36	90	79	77	63	75
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T	5 =	€ 8	72	76	43	86	67	94	75	8.3	7.5	66	97
i.	69	67	71	74	78	86	<b>89</b>	0.1	93	•□	74	66	93
	44	75	64	78	R 2	81	92	93	71	6.3	74	67	93
į.	60	67	63	78	*3	88	88	0.3	71	# C	74	64	93
#	44	56	70	74	79	84	92	94	A 3	76	71	7]	71
1	6	65	60	79	81	95	91	100	70	7.2	72	54	100
# .	<u> </u>	68	7:	77	78	92	73	^2	Rg	81	73	65	
- [	6.3	73	72	77	79	81	<b>P</b> 9	98	91	76	73	74	G @
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ill E	4.4	5.3	- 1	- 1	- 1		- 1		-			0	6.6
+-	+			72	6.2				9.0	0,	77		MONTHS
# -	JAN	FEB 5.3	71 56	73 79	0 2 9 2 9 3	JUN 89 83 87	JUL 94 91	96 102	SEP 9.9 9.2 9.2	91 94 79	72 76 78		55 52 68

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## NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

#### **EXTREME VALUES**

MOXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

· <u>3!</u>

NAPAN STATION NAME

51-63, 66-71

VEADE

#### NHOLE DEGREES FAHPENHFIT /BASED ON LESS THAN FULL MONTHS/

MONTH	JAN	FEB	MAR	APR	MAY	JUN	10r	AUG	SEP	ост	NOV.	DEC	ALL MONTHS
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# NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

#### **EXTREME VALUES**

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS:

ATSUEL, JAPAN

c1-63, 66-71

YEARS

STATION

STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APA	MAY	JUN	JUL	AUG	SEP	ост	NOV	DEC	ALL MONTHS
-1			2 -	7.3	42	47	5.8	6.6	49	94	27	27	
- 7	21	13	2.8	70	* 4	52	63	68	5.5	46	36	2.2	19
7 7	19	17			36	55	59	60	57	4.6	30	77	
- 4	14	21	27	3.7	44	52	Ę 9	68	59	4.3	38	28	1 *
- 5	23	22	28	.9	*3	5.5	70	64	5.5	4.5	35	23	22
5 6	19	25	26	7.3	42	57	63	61	57	45	34	24	19
c 7	71	25	23	*1	45	51	53	67	5.5	39	39	76	21
	22	27	74	3.3	•0	52	6.3	65	55	4.3	34	29	22
£ 3	17	75	2.1	38	47	53	66	65	60	46	37	76	17
15	2.2	25	28	36	42	53	66	63	51	46	30	28	2 <b>2</b>
- 1	20	16	27	30	49	53	67	66	7.9		32	25	16
1.2	17	?3	25	32	44	49	61	66	48	90	25	25	17
, र	9	19											
16	15	19	23	43	42	46	57	66	51	42	26	16	15
67	12	17	21	34	46	51	64	55	57	<b>4</b> 0	30	17	17
63	18	16	72	36	42	58	64	58	5.7	41	29	23	16
6.0	16	20	22	32	46	49	59	65	56	37	26	20	16
רי 📗	14	16	19	36	47	54	60	65	5.4	36	24	20	14
71	<b>?</b> (	19	15	35	48	57							7
MEAN	17.7	20.4	24.6	33.8	43.8	52.4	62.5	65.2	55.0	43.2	31.3	24.1	17.5
S D	3.216	3.601	3.519	3.067	3.148	3.329			3.464				3.226
TOTAL ORS	558	508	5 2 1	510	551	540	527	527	510	527	210	527	6354

## NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE, NORTH CAROLINA

#### **EXTREME VALUES**

MINIMUM TEMPERATURE FROM DAILY OBSERVATIONS

STATION

ATSUGI. JAPAN

STATION NAME

51-63, 66-71

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WHOLE DEGREES FAHRENHEIT PRASED ON LESS THAN FULL MONTHS?

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### PSYCHROMETRIC SUMMARY

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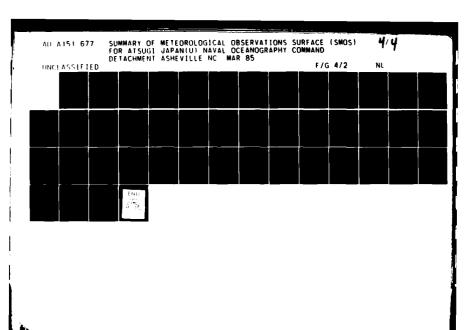
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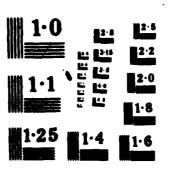
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#### MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

'31° ATSUGI, JAPAN 73-82

STATION	•		•	TATION RAME						YEARS				
HRS LST	<del></del>	JAN	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	36.6	37.4	44.8	53.4	61.5	68.7	73.8	75.9	70.2	60.8	51.9	42.8	56.5
:	s D	5.315	5.771	6.341	6.392	4.910	4.767	4.493	4.132	4.924	5.429	6.731	5.921	14.32
	TOTAL OSS	. 172	. 162	. 175	176	182	181	181	180	178	214	209	213	222
-	MEAN	, ,	. 74 0	4.7		60.5	40 8	73.7	75.8	69.8	60.5	51.3	41.9	55.9
		5 • 2 ° 8				1		1		1	1		1	14.63
	TOTAL OBS	1 1.X	. 127	<del>- 1 / B</del> -	1/2	103	183	111	1/7	176	- 210	200		221
-	MEAN	33.4	34.6	47.0	50-1	58.5	66.6	71.8	74.0	67.6	57.7	48.2	38.4	53.5
	S. D	6.624	6.492	1	1	5.36%					5.509	7.277	6.268	15.17
	TOTAL ORS		1 -	299	1 -		270	1				291	294	346
	1		1				7							
	MEAN	79.4	41.3	47.1	58.0	66.9	72.3	78.2	80.8	74.0	64.7	54.5	44.6	60.2
	S.D.	4.446	5.624	6.007	6.771	5.551	5.552	5.896	5.161	6.079	5.399	6.123	5.160	15.20
	TOTAL OBS	298												341
~	MEAN	46.7	46.8	52.1	61.7	70.1	75.1	81.0	84.1	76.9	68.6	59.8	51.8	64.7
1 -		5.557	5.697	7.017	7.266	6.329	6.164	6.752	5.802	7.135	6.395	6.783	5.826	14.25
	TOTAL OBS	296	268	296	282	289	283	294	302	289	301	296	299	349
		I		ļ <u></u>				<u> </u>						
	MEAN	49.0		54.3	63.0	71.3			85.p		70.2		53.9	66.3
	\$. D.	5.714	6.334	7.157	7.206	5.986	5.809	6.309	5.461	6.956	6.270	6.783	5.946	13.62
	TOTAL OBS	296	268	288	283	287	288	293	296	289	299	288	298	346
	إسال المالم	! 	<b> </b>							L		L		
	MEAN	42.9		49.9	1	66.8			80.2			55.9		61.3
7 -	; S. D.	4.773	5.851	6.398		5.145			1	5.479		1	1	13.79
	TOTAL OBS	297	275	299	285	298	297	293	296	293	303	295	303	352
	ļ		ļ		<b> </b>	ļ		<u> </u>	<b></b> _	<u> </u>	<b></b>	<u> </u>	<b></b>	
	MEAN	39.8				64.3	1	1	78.3	1	63.1		45.0	59.3
1	S. D.					4.588								14.04
	TOTAL OBS	286	265	300	285	301	292	297	299	207	302	295	286	347
	ļ							\	<u> </u>	\	<b></b>	<u></u>	<u></u>	L
ALL	MEAN	41.0				65.4								60.1
HOURS	\$. D.		7.666	7.898	7.931	6.932	6.087	6.413	6.038	6.827	6.868	7.831	7.590	14.785
	TOTAL OBS	21.06	1932	2126	2049	2124	2053	2126	2132	2088	2211	2165	2198	25310

#### MEANS AND STANDARD DEVIATIONS

FET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

47319 ATSUGI, JAPAN

73-82

HR5.(L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	32.1	32.9	40.3	48.8	57.6	65.5	70.7	72.4	66.7	57.0	47.8	30.3	52.5
1.5	s. D.	5.299	5.958	6.656	6.949	5.605	4.641	4.173	3.709	5.096	5.900	7.210	5.858	14.853
	TOTAL OBS	178		175		182			180			209		2221
	MEAN		-	-	-		\	-	-		57.0	47.7	37.7	52.3
3 ·	S. D.	31.5	;		48.3		1	71.2	1	66.9		1		
.,1	TOTAL OBS	t	,	l .		5	\$	3			1	7.223		15.210
	10121003	179	159	1/6	175	183	183	111	179	176	- <b> </b>	206	210	221
	MEAN	29.7	31.1	36.4	46.6	55.1	64.0	69.4	71.3	64.9	54.6	45.1	34.7	\$0.3
F	S. D.	5.457	6.856	6.916	7.347		4.783	4.589	3.774	5.254	6.016	7.604	6.009	15.641
	TOTAL OBS	256							299			291		396
	MEAN	33.7	35.6	42.7	51.1	59.5	64.9	72.5	74.3	68.0	58.3	48.8	38.9	54.0
	S. D.								1	1		6.786	1	15.07
	TOTAL OBS	268	264					1				285		341
	<u> </u>		AN-											
	MEAN	37.5	38.2	43.1	52.9	60.3	67.5	72.9	74.7	68.4	59.6	50.9	42.4	55.8
1 '	S. D.	3.341	5.599	6.020	6.452	5.174	4.565	4.614	3.577	5.162	5.451	6.407	5.342	13.96
	TOTAL OBS	296	268	296	281	289	283	294	302	288	301	295	299	300
	MEAN		4.0								40.0	-	44.2	57.4
	S. D.	39.6	40.5	45.4		61.7		74.1		1	60.9			8
1	TOTAL OBS		1	1	,	1 .					_	1	5.427	N
	10171003	296	268	288	283	287	288	293	473	287	299	299	298	396
- · · · · -	MEAN	36.2	37.9	43.3	52.6	59.9	66.9	72.3	74.1	68.2	59.1	49.7	40.8	55.1
ì	S. D.	5.070	6.045	6.070	6.211	4.869	4.031	4.123	3.232	4.927	5.357	6.668	5.870	14.05
	TOTAL OBS	297	273	299	285	298	287	298	296	293	303	295	303	352
	<b>+</b>			ļ		<u> </u>		<del> </del>	<u> </u>	<del>  </del>				
	MEAN	34.3	36.6	42.1	52.0	59.7			74.1		58.7		39.8	54.7
. 1	S. D.	5.348										7.116		14.65
	TOTAL OBS	286	265	300	285	301	292	297	299	287	302	295	206	3991
	MEAN	34.7	36.0	41.5	51.1	59.0	66.6	72.0	73.8	67.7	50.2	49.0	39.7	\$4.2
ALL HOURS	S. O.	6.081										7.229	6.369	14.75
	TOTAL DES	2106							2131				2197	2529

#### MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

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ATSUGI, JAPAN

73-82

HRS LST JUN. JUL. 33.9 43.8 54.4 63.5 69.1 70.8 53.9 64.7 47.4 31.6 48.2 5 D. -.354 9.197 9.811 9.964 7.635 5.331 4.484 4.161 5.892 7.457 9.627 8.248 17.835 17E 162 175 176 1E2 181 181 180 178 23.5 25.2 33.4 43.4 54.6 63.7 65.0 69.8 54.0 71.2 43.6 5. Đ 9.145 9.474 9.23010.260 7.264 5.654 4.554 4.183 5.894 7.860 9.369 8.435 18.032 179 206 179, 159, 176, 175 183 183 177 176 210 2213 21. 24. 30.5 42.5 52.1 62.4 69.1 69.9 63.2 51.8 41.3 28.4 · . 2811C . 193 9 . 774 9 . 710 7 . 755 5 . 477 4 . 854 4 . 003 5 . 923 7 . 520 9 . 510 8 . 251 18.405 TOTAL 085 256 269 299 283 296 270 2.98 294 288 294 291 3465 23.6 25.8 31.2 43.7 53.6 63.6 69.7 71.3 64.6 53.1 42.4 30.3 4.55510.72610.89410.609 8.147 5.620 4.806 4.117 6.401 8.022 9.917 8.346 47.8 18.597 269 288 288 288 264 293 280 287 286 288 285 3411 22.3 24.0 30.7 44.2 52.8 63.0 69.0 70.4 63.6 52.5 41.5 29.4 10.61111.33810.984 0.575 8.357 5.632 4.924 4.350 6.396 8.49610.337 9.720 47.1 18.935 TOTAL 085 296 268 296 281 289 283 294 302 288 301 295 3492 25.0 27.3 34.2 46.6 54.6 64.3 70.3 71.8 65.0 53.9 43.2 31.4 10.381 1.04910.279 9.746 7.982 5.251 4.913 4.156 6.351 8.183 0.290 9.982 49.1 18.286 TOTAL OBS 296 268 288 283 287 288 293 295 289 294 3467 25.0 27.4 34.6 46.4 54.6 63.8 69.7 71.2 54.4 42.9 64.9 5 D 9.42110.714 | 9.930 | 9.720 | 7.318 | 4.787 | 4.659 | 3.900 | 6.066 | 7.70410.086 | 9.615 17.872 TOTAL OBS 298 287 303 273 299 285 298 296 29.3 70.7 72.2 24.4 28.2 34.9 47.0 55.9 64.8 65.8 55.2 43.7 8.77910.65010.169 9.710 7.448 4.475 4.598 3.978 5.914 7.61810.025 8.830 S D. 17.963 265 300 285 301 292 297 299 287 302 295 286 3495 284 71.1 30.8 MEAN 23.8 25.9 32.8 44.8 54.1 63.7 69.6 64.6 53.6 42.7 48.2 ALL 9.26810.65610.35310.146|7.846|5.328|4.804|4.159 6.172 7.937 9.955 9.080 18.307 HOURS 2123 2053 2126 2131 2209 2169 TOTAL OBS 1928 2126 2048 2087

NAVAL GEATHER SERVICE DETACHMENT ASHEVILLE MORTH CAROLINA

### RELATIVE HUMIDITY

WT/19 ATSUGI, JAPAN

73-82

Jåų

STATION NAME

PE 8100

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH.	L 5 T	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
JAN	₹ <b>.</b>	100.0	10.0	99.4	92.1	72.5	48.9	25.3	14.0	6.7	61.3	178
+	23	100.0	100.0	100.0	92.7	76.5	52.5	26.3	14.5	6.7	62.7	179
- •	อด์	100.0	100.0	99.7	93.4	78.0	57.0	31.5	17.5	7.7	64.0	296
- •	36	107.0	100.0	96.5	60.6	55.9	30.9	16.7	10.1	3.5	55.0	29 <b>8</b>
	12	100.0	23.9	70.9	39.5	20.3	12.2	9.1	6.4	2.4	41.0	296
<del> </del>	15	100.0	03.2	74.3	44.9	20.3	13.2	8.8	5.4	3.0	41.8	296
	18	107.0	29.7	95.6	70.4	43.0	23.9	13.5	8.4	3.7	51.3	297
	71	100.0	100.0	98.6	85.3	59.1	35.0	18.5	9.1	4.5	57.0	286
		ļ		ļ	ļ	-				! <del>!</del>		•
		1	<del></del>	ļ		<del> </del>	+	-		+		·
					<del> </del>	<del>                                     </del>					+	<b>.</b>
101	ALS	100.0	98.4	91.9	74.9	53.3	34.2	18.7	10.7	4.8	54.3	2176

CAVAL AFATHER SERVICE DETACHMENT ASHEVILLE CORTH CAROLINA

#### RELATIVE HUMIDITY

47319 ATSHOL, JAPAN

73-92

FEB

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STATION NAME

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MUNIH	LST	10%	20%	30∿	40%	50%	60%	70%	80%	90%	HUMIDITY	085
FEB	0.5	100.0	100.5	100.0	93.8	73.4	48.1	24.1	16.7	9.3	61.7	152
•	37	100.0	170.0	99.4	96.2	81.8	59.1	26.4	17.6	5 • D	64.2	159
•	216	107.7	100.0	99.6	95.5	84.8	61.0	34.2	21.9	12.3	66.6	269
•		100.0	79.6	95.1	AD.7	54.2	32.3	19.3	14.8	7,2	56.3	. 264
• •	12	190.0	75.9	69.8	42.9	25.4	19.8	14.6	9.3	4.9	44.2	268
<del>1</del>	15	100.0	25.9	78.7	54.1	26.5	20.5	16.5	10.4	4.9	46.1	268
	1 F	100.0	39.6	97.7	70.0	50.5	30.0	19.8	13.9	6.6	53.9	273
	4.1	ion.n	10.0	99.6	83.8	61.5	47.2	32.1	17.0	9.8	61.0	265
•			•				i			1		•
										1	-+	•
ļ	· · -		· • · · · · · · · · · · · · · · · · · ·	ļ				<del>-</del>	<u> </u>		- <del></del>	·
							<u> </u>			·		
101	ALS	100.0	98.9	91.9	77.1	56.9	39.9	23.4	15.2	7.5	56.8	1928

NAVAL SEATHER SERVICE DETACHMENT ASHES OLE CORTH CAROLINA

### RELATIVE HUMIDITY

47319 ATSUSI, JAPAN

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STATION NAME

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH .	LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
AVÓ	០ភ	107.0	100.0	100.3	92.5	80.6	62.9	42.9	78.6	13.7	67.4	175
ŧ	υż	100.0	100.0	100.0	06.5	85.2	66.5	46.0	30.7	10.8	69.3	176
•	0.6	100.0	100.0	99.7	97.3	86.7	73.2	50.5	31.1	13.4	70.4	299
- •		102.0	49.C	94.2	76.1	56.3	39.2	25.6	15.7	6.5	57.G	. 293
1	12	100.0	95.6	77.4	54.7	37.5	22.6	16.6	10.1	6.1	47.7	296
	1 e	107.0	07.9	85.4	60.4	38.9	27.4	18.8	11.8	6.6	50.2	288
- 1	1.5	100.0	100.0	94.5	79.3	60.9	42.5	27.1	16.7	7.4	58.4	299
	21	120.0	170.0	98.7	38.0	73.0	57.3	37.7	21.7	11.3	64.1	300
							<u> </u>	1		-+ : .i		
										-		• • • • •
			ļ		ļ <u>.</u>	<u> </u>	ļ	ļ	<del> </del>	- <del>-</del>	- <del></del>	• -
,					ļ	<u></u>		<del> </del>		+	**	<del></del>
101	ALS	100.0	79.1	93.8	80.6	64.8	49.0	33.2	20.8	9.5	60.6	2126

#### **RELATIVE HUMIDITY**

47319 ATSUGI. JAPAN

73-82

490

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\$141104 NAME

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	i 5 T	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
100	ji n	130.0	1-0.0	99.4	96.5	94.1	75 • U	59.1	33.5	17.6	71.8	176
•	0.1	100.0	100.0	99.4	95.4	87.4	76.6	61.1	36.6	17.7	72.9	175
•	2.5	100.0	100.0	99.6	98.6	93.6	83.4	65.4	45.9	23.0	76.5	283
<u> </u>	<b></b>	100.0	99.6	94.3	83.6	68.6	51.8	35.0	21.8	P • 2	61.9	2 • 0
	17	100.0	38.6	90.0	74.3	58.7	38.1	23.9	17.1	8.5	- 56.3	2 P 1
:	15	100.0	99.3	92.2	79.5	62.2	43.5	28.3	17.3	8.5	58.4	283
	16	ion.c	98.9	95.8	90.2	79.6	63.5	44.2	22.1	9.1	65.8	285
	21	100.0	100.0	98.6	03.3	d4.9	74.4	60.4	34.7	12.6	71.2	285
		-	• 1	1			· + · · · · · · · · · · · · · · · · · ·	÷	·	-+ ·- ·	<b>+</b> ·	•
							1	1		:		•
								!			• =	
												•
101	ALS	100.0	09.6	96.2	88.8	77.4	63.3	47.2	28.6	13.2	66.9	2048

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

STATION NAME

#### RELATIVE HUMIDITY

47319 ATSUGI, JAPAN

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73-92

MAY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH .	i 5 7 ·	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
<b>MA A</b>	೧೮	100.0	ם.סרג	100.0	97.8	94.0	90.7	78.0	47.8	17.0	78.4	182
•	33	100.0	100.0	100.0	9.5	97.3	94.0	86.9	58.5	23.0	81.6	193
	76	100.0	100.0	100.0	?8.3	96.3	91.6	84.1	51.7	24.0	80.4	296
- •	5 <b>¢</b>	100.0	100.0	98.3	92.0	81.9	55.1	31.0	18.5	11.1	64.4	297
+	12	100.0	99.7	95.5	R2.0	59.5	37.7	21.9	14.2	9.7	57.2	289
<u>†</u>	15	102.0	99.3	95.5	R4.0	63.8	42.5	22.3	11.1	6.6	58.0	287
	1 6	100.0	100.0	97.7	93.6	85.9	54.1	40.3	17.4	7.7	66.6	298
	21	100.0	100.0	99.7	96.0	93.4	86.7	67.8	40.9	14.6	75.4	301
			· • ·	1	1			- <del>†</del> · · · ·		1	•	
											-	
								<u> </u>		: 		<del>Para a</del> area
101	ALS	100.0	99.9	98.3	92.9	64.0	70.3	54.0	32.5	14.2	70.3	2123

NAVAL AFATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

### RELATIVE HUMIDITY

47319 ATSUGI, JAPAN

73-82

JUN

5147 - 5

STATION NAME

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCEN	TAGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	i S T	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS
אטע	٥r	150.0	מ.מרג	100.0	100.0	99.4	98.3	92.3	64.1	26.5	83.7	181
•	5.3	100.0	מ.פרב	100.0	100.0	98.9	97.8	91.3	73.2	26.8	85.0	183
	21	100.0	170.0	100.0	100.0	100.0	98.5	94.4	76.7	38.9	86.5	270
	် ၅.၄	100.0	100.0	99.6	99.3	97.4	87.4	61.3	35.3	14.1	75.0	269
•	1 ~	107.0	110.0	99.6	98.2	89.8	64.3	38.9	19.8	5.7	67.3	293
†	1.5	100.0	100.0	100.0	99.0	91.7	66.7	39.9	18.4	5.6	67.8	288
	1.8	100.0	100.0	100.0	100.0	97.9	89.5	66.6	34.1	11.8	75.4	287
-	21	100.0	10.0	100.0	100.0	98.6	96.9	88.7	63.7	17.5	82.0	292
	· L							1 -				
										ļ 		
	·		 				ļ	ļ			·	
ere ware eer											<b>4</b> ************************************	
101	ALS	100.0	110.0	99.9	99.6	96.7	87.4	71.7	48.2	19.5	77.8	2053

### RELATIVE HUMIDITY

43719 ATSUGI, JAPAN

73-42

JUL

STATION NAME

PERIOD

MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCEN	TAGE FREQUEN	ICY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO OF
MONTH	157	10%	20%	30%	40%	50%	60%	70%	8C%	90%	HUMIDITY	OBS
JUL	J.E.	100.0	176.0	100.0	100.0	99.4	98.9	97.8	76.2	29.3	85.5	181
•	5.7	100.0	ino.o	3.00.0	10.0	100.5	99.4	99.4	95.3	33.3	87.4	177
•		100.0	ino.3	100.0	100.	100.0	99.3	98.3	88.3	37.6	88.2	. 298
	33	100.0	100.0	100.0	100.0	100.0	94.1	63.9	30.2	12.2	75.7	288
•	1.7	100.0	170.0	100.0	99.7	94.5	72.4	32.0	18.4	7.1	67.9	. 294
•	15	100.0	100.0	100.0	100.0	95.6	73.4	34.8	16.7	7.2	68.5	293
- (	1.9	100.0	ם.מרו	100.0	100.0	99.3	93.3	75.2	33.6	10.7	77.0	298
-	21	107.	20.0	100.5	מ.פח	99.3	99.3	94.9	69.0	25.6	84.6	297
-			•		· • · · · · · · · · · · · · · · · · · ·	1	• • • • • • • • • • • • • • • • • • • •		*··· ·	**	•	•
			· · ·	<del></del>	- <del> </del>		:	<del></del>	<del></del>			•
						1			- + · ·	. • • • •	• • • •	•
•		T	- +	<b>†</b>	ļ				<del>†</del>		*****	•
TO:	IALS	100.0	100.0	100.0	100.0	98.5	91.3	74.5	52.2	20.4	70.4	2126

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

### RELATIVE HUMIDITY

47719 ATSUGI, JAPAN

73-92

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STATION NAME

PERIOD

#041m

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCEN	TAGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN - RELATIVE	TOTAL NO OF
MONTH	L S T	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	085
AUC	ŮΓ	10n•n	10.0	100.0	100.0	98.9	97.2	95.6	68.9	21.7	64.3	190
•		102.0	170.3	100.0	170.0	99.4	98.9	97.2	78.8	24.5	55.8	179
•	6	100.5	10.0	100.0	100.0	100.0	99.7	98.6	83.0	29.3	86.9	294
- •	~. <b>*</b>	100.7	100.0	100.0	10.0	39.₹	91.3	52.9	23.8	8.0	73.6	286
1	1.7	100.0	100.0	100.0	68.2	95.4	54.3	26.2	16.6	7.0	64.5	302
4	1.	130.0	100.0	ה.ממג	99.0	90.9	62.4	27.8	15.6	5.9	65.5	295
!	1.8	100.0	100.0	99.7	99.7	99.0	89.2	63.2	28.4	9.1	74.6	296
•	21	100.0	100.0	100.0	100.0	99.3	97.0	89.3	58.9	16.1	81.8	299
1			1	† ·			1	1	<u>+</u>	. •	•	•
					1				1		•	•
						1				-+	•	•
									1		- <b>-</b>	•
101	ALS	100.0	100.0	100.0	09.6	97.1	86.3	68.8	46.8	15.2	77.1	2131

NAVAL AFATHER SERVICE DETACHMENT ACHEVICLE INGRITH CAROLINA

#### RELATIVE HUMIDITY

47319 ATSUGI, JAPAN

73-82

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STATION NAME

PE#:00

BONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCEN	TAGE FREQUEN	ICY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN - RELATIVE	TOTAL NO OF
MONTH .	LST	10%	20%	30%	40%	50∿	60%	70%	80%	90%	HUMIDITY	085
SEP	5.7	100.0	170.0	100.0	100.0	100.0	97.8	91.^	62.4	27.0	A2.9	178
•	~ 3	ไอว.กั	170.0	102.0	100.0	99.4	98.9	92.6	70.5	26.1	#4.9	176
•	56	100.0	100.0	100.0	10.0	99.7	99.3	96.9	78.5	29.2	86.0	268
	υ <b>σ</b>	100.0	100.0	100.C	99.7	94 . R	84.7	58.n	31.6	11.8	73.5	298
•	1.7	100.0	100.0	99.7	96.2	83.2	56.6	32.3	20.8	. 9.7	65.4	248
÷	1 =	100.0	170.0	99.7	07.6	82.0	53.3	32.5	19.0	6.9	64.7	289
- <b>†</b>	J e	100.0	ס.םרון	100.0	99.3	96.6	84.3	63.1	33.1	12.3	74.5	293
•	21	100.0	10.0	100.0	100.0	99.3	94.8	82.7	49.5	19.5	79.9	287
i			•	<b>+</b>	1		· • · · · ·	*	*	•	•	
										- <b>-</b> -	•	,
			†					-		+ · —	• • • •	,
· †										- <b>-</b>	• ,	
101	ALS	200.0	100.0	99.9	99.1	94.4	83.7	68.6	45.7	17.3	76.5	2097

#### RELATIVE HUMIDITY

43319 ATSUGI, JAPAN

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCEN	TAGE FREQUEN	CY OF REL TIV	E HUMIDITY G	REATER THAN	_	_	MEAN RELATIVE	TOTAL NO OF
MONTH	LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	085
SCT	re -	100.0	µ.⊓0.0	100.0	100.0	97.7	90-1	78.9	42.3	16.4	78.5	213
•	. דם	100.0	100.0	100.0	100.0	98.1	92.9	81.4	47.1	50.0	79.9	210
•	CA	100.0	100.0	99.7	99.7	98.7	93.3	84.9	57.4	25.5	81.2	298
-	59	100.0	100.0	100.0	76.9	37.5	67.7	36.8	20.5	1~.1	67.4	298
•	1.7	100.0	100.0	96.3	83.4	62.8	40.2	25.9	16.3	10.6	58.9	301
1	1 .	100.0	79.7	97.3	83.7	64.6	38.8	24.8	13.9	7.1	58.7	. 294
	16	ion.n	ם.סרב	99.7	97.7	88.8	74.6	47.9	25.4	11.9	70.0	303
	21	ນວວ•ຕ	100.0	100.0	100.0	94.7	85.8	72.5	36.8	16.2	76 • 1	302
			!							.i.		•
											*	•
												·
101	ALS	100.0	100.0	99.1	95.2	86.6	72.9	56.6	32.5	14.7	71.3	5509

NAVAL MEATHER SERVICE DETACHMENT ASHEVICE CORTH CAROLINA

### RELATIVE HUMIDITY

47317 ATSUSI, JEPAN

73-32

NOV

STATION NAME

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# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

нтиом	HOURS			PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN - RELATIVE	TOTAL NO OF
MONTH	LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	085
NOV	υņ	100.0	105.3	100.0	99.5	92.5	78.9	64.1	34.0	15.8	73.8	239
	• 5,₹	ີາລຄ•ກ	100.0	100.6	79.0	93.2	85.4	73.4	42.7	17.5	76.0	276
	:6	100.0	100.0	0.00 €	79.7	95.2	88.0	70.9	46.4	50.43	77.7	291
	·	100.5	100.0	100.0	93.0	78.7	58.6	48.0	18.6	17.9	65.4	265
	12	100.0	99.7	93.6	71.9	48.P	28.5	19.0	12.5	7.8	53.6	. 295
	17	100.0	99.3	94.4	71.9	49.7	27.1	18.4	13.5	€.9	53.7	288
. ,	1 "	107.0	ם.כרו	98.6	90.5	75.9	57.6	34.5	18.3	7.1	63.7	. 295
_	21	100.0	100.0	100.0	97.6	86.1	71.9	54.6	29.5	11.5	70.3	205
	• i •	1	•	† 1	1	]	- <del>+</del> · · ·	:	:	- <b>-</b>	•	•
							i					
										,		
to	TALS	100.0	79.8	98.3	90.4	77.5	62.0	46.5	26.9	12.2	66.8	2164

NAVAL MEATHER SERVICE DETACHMENT ASHEVILLE MORTH CAROLINA

STATION NAME

### RELATIVE HUMIDITY

43319 ATSUSI, JAPAN

STATION

13-82

DEC

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	· -		PERCENT	AGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH	į 5 T	10%	20%	30%	40%	50∿	60%	70%	60%	90%	→ RELATIVE HUMICITY	OBS
DEC	20	100.0	100.0	100.0	97.2	85.9	62.4	35.7	13.6	3.3	25.2	213
· · · · · · · · · · · · · · · · · · ·	57 -	100.0	200.0	99.0	97.1	86.2	69.5	41.0	17.6	3.8	67.3	210
·	26	100.0	105.0	99.3	06.9	88.1	72.7	40.3	22.2	5.8	68.4	293
<del>-</del> +	30	100-0	100.0	98.6	87.8	71.2	42.0	18.6	8.5	2.4	58.6	295
	13	100.0	97.3	83.3	53.8	27.8	13.0	8.0	5.0	2.7	44.6	. 299
	15	100.0	96.0	83.9	53.7	25.8	14.8	9.4	4.7	2.3	44.8	298
	1 0	100.0	99.7	96.0	2.49	59.1	34.3	17.5	7.3	4.6	56.1	303
	21	100.0	10.0	99.3	96.5	76.2	53.1	28.3	11.9	5.6	62.7	286
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		-	-	<del> </del>		+	+	+	-	ļ	-	
		<del> </del>	+	<del>                                     </del>	+	<del>                                     </del>	<del> </del>	+	+	+	+	<b>-</b>
101	ALS	100.0	99.1	94.9	83.4	45.0	45.2	24.9	11.4	3.8	58.5	2197

NAVAL MEATHER SERVICE DETACHMENT. ASHE, MILE NORTH CAROLINA

#### RELATIVE HUMIDITY

47319 ATSUCT, JAPAN

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73-82

ALL

STATION NAME

PERIOD

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCEN	TAGE FREQUEN	CY OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO OF
MONTH	LST	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	085
JAN	ALL	100.0	98.4	91.9	74.9	53.3	34.2	18.7	10.7	4.8	54.3	2106
FEB	•	100.0	9,9	91.9	77.1	56.9	39.9	23.4	15.2	7.5	56.8	1928
MAR	•	107.0	29.1	93.8	80.6	64.8	49.0	33.2	20.8	9.5	60.6	2126
705	•	100.0	79.6	96.2	88.8	77.4	63.3	47.2	28.6	13.2	66.9	2348
YAY	• · · · · · · · · · · · · · · · · · · ·	100.0	99.9	98.3	92.9	64.0	70.3	54.0	32.5	14.2	70.3	2123
JUN	† 5	100.0	100.0	99.9	99.6	96.7	87.4	71.7	48.2	15.5	77.8	2053
JUL	<del> </del>	100.0	100.0	100.0	2.00.0	98.5	91.3	74.5	52.2	27.4	79.4	2126
AUG	<b>+</b> -	ם.פכו	100.0	100.0	79.6	97.1	86.3	68.8	46.8	15.2	77.1	2131
SEP	<b>.</b> !	102.0	100.0	99.9	99.1	94.4	83.7	68.6	45.7	17.3	76.5	2087
CCT		100.0	100.0	99.1	95.2	86.6	72.9	56.6	32.5	14.7	71.3	2239
NOV	<u> </u>	100.0	09.8	98.3	90.4	77.5	62.0	46.5	26.9	12.2	8.60	2164
DEC		100.0	79.1	94.9	83.4	65.D	45.2	24.9	11.4	3.8	58.5	2197
70	TALS	100.0	29.6	97.0	90.1	79.4	65.5	49.3	31.C	12.6	68.0	25298

VS. WIND DIRECTION

JANUARY 1973-D. CEMBER 1987 JANUARY WIND DIRECTION 55 W 8-5 W 557 1 + • 3 | 5 • 7 | 1 • • | 28.6 42.9 48.6 20.0 21.1 18.9 11.4 17.9 21.3 25.3 22.7 22.9 22.2 16.7 3.6 8.4 6.0 21.1 19.3 7.8 2.1 .5 95 13.6 6.5 2.3 2.5 35.1 6.6 8.4; 4.7; 3.0; 1.0; 474 1.6 43.7 24.1 3.7 3.3 6.1

WIND DIRECTION

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- 131 <b>.</b>	J 1 47	•			J	ANUATY	1973-	DECEMB	EF 198	2 FE 0	RUAPY
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					WIND DIR	ECTION					
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	17	€.7	4.3	4 • 3	34.8	30.4	2.2	7	4.3	46	2.4
	. 3	12.4	1 : • 5	6.8	79.3	21.A	3.8		6.9	133	7.1
	31	22.0	9.9	4.1	19.5	9.9			5.7	314	16.8
	1	21.5	6.0				3.0	3.7		461	24.7
45 .	1.2			2 • €		6.1	3.0		4.3		
	• 6	Ž4 • 3	1.8	1 - 9			3.1	5.3	6.0	447	24.0
	£ : • 6`	25.2	. 6	1.5	• 6	1.9		5.2	5.5	3 0	16.5
•	45.1	23.9	• 9!	• 9	• 5	3.5	3.5	6.2	15.0	113	6.0
	57.7'	11.5	3.8	•	3.9	3.6		11.5	7.7	26	1.4
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TOTALS	40.	21.7	5.1	2.7	7.5	7.4	7.7		6.1	1869	100.0
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WIND DIRECTION

JANUARY 1973-DECEMPER 1982 MARCH

					WIND DIR	ECTION					
*****	rate .	ing to the second secon	17,8 K. S	(S)	55E #.5	(CA)	85% 8 A	estres British	* <b>A</b> , M	TOTAL FREQ.	OF TOTAL
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	3.3	33.3	•	•	,	33.3		1		· · · · · · · · · · · · · · · ·	• 1
	•	5 • 3	5.3	•	26.3	47.4	15.8			19	. 9
	3 . 9,	8 . 9	6.7	5.6	34.4	28.9	4.4	1.1	1.1	9.7	4.3
•	5.3	8 . 8	5.9	7.1	37.6	27.6	2.9	1.2	3.5	170	8.1
	1 . 2	17.	9.4	7.2	22.7	13.9	6.1	1.2	3.6	337	15.8
45.3	33.6	24.7	9.9	7.4	15.1	9.5	3.0	1.3	3.6	474	22.7
4. 46	50.7	24 . 8	6 . 2	2 • 8	3.7	3.5	1.6	2.1	4.6	568	27.2
•	. 2 . 3	20.9	4 . 8	. 3	1.4	. 3	.7	3.4	5.8	292	14.0
1	67.8	16.5	1.7		. 9			5.2	7.0	115	5.5
	7.0	16.0	4.0	4 . 3	1	4.0		16.0	16.0	25	1.2
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TOTALS	37.5	20.3	7.1	9 . 6	11.9	9.4	2.7	2.2	4.4	2091	100.0

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

JANUARY 1973-DECEMBER 1982

					WIND DIR	ECTION					
74.445		1414	12,1	650	731	5545	wsw	WNW	(. <b>a</b> .,•/	TOTAL	14
	4 %	4 NF .		A SE	* '	4 5 %		A N.W.		FRIG	141(:1
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82 TO 86 3	1		•			1					
7 10.6					0.0	25.0	25.0			h	- 2
2.12.6	4.5	1.5	3.6	1.5	42.4	47.0	27.7			£ <b>6</b>	3.2
	3 - 3	8.6	5.9	9	36.8	36.A	2.7		• 5	185	9.1
	P • 3	7.5		3.4	42.7	26.4	1.8	1.0	2.8	386	19.0
102 1 80 p	15.1	12.3	10.0	4.7	28.8	18.2	2.7	2.2		451	22.2
	35.5	20 · 1	7.0	3.5	15.0	8.9	1.6	2.8	5.6	428	21.0
	43.7	27.3	8.0	. 3	3.0	4.0	.3	3.3	5.0	300	14.7
47 10 51	56.6	23.1	5.2	.6		1.7	•6	4.6	7.5	173	9.5
10 40	72.2	11.1	, ,		2.8			2.8	11.1		1.8
	15.0	20.0			20.0			200	43.0		• 2
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TOTALS	25.2	15.4	7.1	3.0	23.0	16.6	1.7	2.2	4.9	2034	100.0
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WIND DIRECTION

JANUARY 1973-DECEMBER 1982

WIND DIRECTION 5.3 10.5 6.0 8.3 7.5 5.3 9.9 6.4 11.2 3.5 17.3 5.7 21.7 1.7 6.5 17 10.5 1.2 4.3 5.2 63.2 57.1 53.0 44.5 10.5 16.7 1.2 2.0 2.7 2.3 2.2 .6 84 1.2 22.5 17.6 1.0 302 517 22.5 35.5 15.7 4.6, 28.8 2.5 8.7 565 27.1 . . 371 17.8 12.1 53.2 71.7 3.3 1.1 1.1 5.6 11.7 180 15.2 66.7 6.5 4.3 2.2

3.9 31.0 13.9

2087 100.0

101ALS NAVWEASERYCOM

22.1 12.

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## PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

SUCT. JA AN JANJARY 1973-DECEMBER 1982 JUNE

		_			WIND DIR	ECTION					
7.011		Taran T	124	151	554	55W	W1 64	WNW	CALM	TOTAL	30
	A 5.			A-56	A.5.	8.55		LNW		FREQ.	101AL
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			7.7		53.8	38.5				17	.6
	_ <b>•</b> ∫	4 . 7	5.7	4.7		31.1	1.9			106	5.2
,	.` • 3	4.6	7.5	6.2	49.7	.76.8	1.0	• 3	1.6	306	15.1
	24.9	11.9	7.6		39.9	17.6	2.0	1.2	5 • <b>5</b>	564	27.8
	24.0	17.7	9.7	3.3	22.9	10.3	1.5	2.6 2.9	7.2	611	30.1
	43.5	20.6	6.5	1.5		4.4	1.2	2.9	9.7	340	16.7
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# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

JANUATY 1973-DECEMBER 1982

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	9.01	8.1	7.1	3.8 2.3	37.5	22.6	2.1	.7	10.6	566	27.3
	17.6	15.0	10.0	3.2	24.5	10.5	2.3	. 8	14.1	560	27.0
	31.5	22.4	8.8	2.0	8.4	5.5	1.0	3.6	16.2	303	14.8
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TOTALS	15.8	12.4	7.9	3.1	30.2	17.5	1.7	1.3	10.0	2076	

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	31.0	16.3	4.6	2.5	12	6.1	1.7	5.0	16.1	459	22.1
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TOTALS	511.0	11.5	5.7	2.8	29.5	19.7	1.3	1.8	7.6	2077	100.0
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WIND DIRECTION

JANUARY 1973-DECEMBER 1982 SEPTEMBER

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1	2 •	6 - 3	9.9	5.1	41.8	34.2	1.3		<del></del> +	í	3.9
B: B:	3.9	11.2	9.5	2.8	38.0	30.7		1.1	2.8	179	8.6
** *5 ** *	7 • 7	13.2	10.7	4.7	31.6	26.1	1.7	1.0	3.2	4 G Z	19.4
12 12 W	11.2	18.2	9.4	5.6	14.3	10.3	2.1	2.6	6.2	532	25.7
	5 . 9	16.9	4.7	1 • 4	3.1	2.8	1.6	1.0	9.6	50°	24.5
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101A.5	36.2	15.3	6.9	5.2	15.6	12.4	1.4	1.6	5.5	2070	100.0

VS. WIND DIRECTION

JANUARY 1973-DECEMBER 1982 OCTOBER

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					WIND DIR	ECTION					
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	6.5	26.3	9.6	11.3	23.3	21.9	1.4			73	3.4
	15.7	27.2	11.3	5.0	20.1	15.9	2.1	.4	1.3	239	11.7
	27.5	28.1	F.6	4.4	10.7	11.8	1.2	.9	4.9	431	19.8
2 66	4.6	19.8	5.4	1.3	3.8	5.8	2.2	2.4	4.6	626	28.7
2	2.5	20.8	2.2	1.0	1.0	2.0	1.4	3.8	5.4	504	23.1
12 15 16	2.3	19.3	1.3		. 4	3.7	2.2	6.6	3.9	228	10.5
47.15.01	77.6	7.3	5.9				2.0	7.8	5.9	51	2.3
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TOTALS	46.6	72.2	5.7	7.4	6.6	7.7	1.7	2.8	4.3	2179	100.0
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WIND DIRECTION

JANUARY 1973-DECEMBER 1982 WIND DIRECTION 554 4 5 55 W 16.7 28.9 23.8 12.5 83.3 36.9 30.5 7.9 2.5 13.2 7.9 9.5 2.6 20.0 24.2 105 4 . 8 47.0 4.3 1.9 1.9 1:.2 0 256 5.1 16.8 20.6 7.4 3.3 5 . 8 3.4 7.4 4.3 2.2 417 19.6 3.3 4 . Q 2.0 2.8 4.7 5.8 600 28.2 17.2. 1.3 2.1 .8 5.9 6.0 3.1 • 5 387 18.2 5.4 18.8 234 3. 11.0 3.3 10.3 1.5 2.9 6 P . 8 12.5 15.8 6.3 31.3 2.4 6.1 7.5

NAVWEASERVCOM

2

# PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

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	7.5	18.4	17.0	3.4		28.6	2.7	.7	4.1	147	6.8
<u> </u>	2 3 . 4	24.0	8.2	5.3	12.5	12.8	3.6	3.6	6.6	304	14.2
				2 • 3	16.3						
AT 12 15 .	34 . 0	22.0	8.4		8.2	6.3	3.7	4.2	9.4	427	19.9
4. 10 40	1.5		5.0	1.5	1.9	3.1	3.2	4.7	7.9	619	28.8
2.5	2.5	24.3	1.7	• 5	1.4	2.7	1.4	5.1	10.4	415	19.3
21 10	5â.7°	18.2	2.0		.7		5.4	8.1	11.5	148	6.9
	1.4	10.3		•		10.3	10.3	3.4	17.2	29	1.4
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TOTALS	40.9	21.7	6.4	2.2	6.1	7.5	3.3	4.4	F. 4	2146	100.0

WIND DIRECTION

JANUALY 1973-DECEMOE - 1982 ALL

					WIND DIRE	CTION					
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•	١. ١	5.3	7.6	4.2	46.4	32.4	1.5	- 2	9	543	2.2
		8.0	7.1	3	42.5	29.8	. 9		2.9	1153	4.6
		9.3	7.9	3.7	38 D.	23.1	1.8	. 5	6.5	2081	£ . 4
		15.1	7.9	<i>b</i> 1	26.5	14 2	2	2.2	8.1	2764	- <del>11.1</del>
· ·		15.3	7.2	7	19.7	12.3	- 1	1.5	7.		11.5
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	• •,	16.6	6.3	3 • 3	14.0	11.2	2.1	2.9	6.1	2285	9.2
	• 2	27.4	6.6	3 • ₺,	11.2,	8 . 8	2.7	3.0	5 . 8	2314	c.3
	7. ∙6.	22.6	7 • 4	3.5	9 • 3	7.1	2 • 3	<b>3</b> • 0	5.8	2300	9.3
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	43.4	21.2	2.1	• 6	• 9	2.5	3.7	5.5	19.6	326	1.3
100	73.7	14.8	3.7		1.9	1.9		13.	11.1	54	
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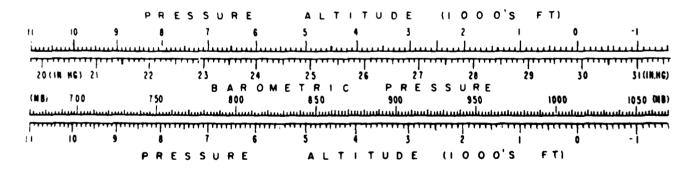
#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-burrly sympotic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

- 1. Station pressure in inches of mercury.
- 2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HE FROM HOURLY OBSERVATIONS

47319 AYSUGI, JAPAN 73-82

STATION				TATION NAME						YEARS				
HRS (L.S.T)		JAN.	FEB.	MAR.	APR.	MAY	NUL	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	2 .719	9.731	29.750	29.725	29.651	29.607	29.601	29.582	9.701	29.780	29.849	9.794	29.711
7	S D	.166	.180	.234	.216	.195	.146	•112	.147	.153	.224	.216	.216	.207
	TOTAL OBS	178	162	175	. 176	182	181	181	182	178	213	209	213	2228
	MEAN	- 2.713	9.731	29.750	19.722	29.442	29.593	29.592	29.567	29.688	29.765	29.835	9-8-0	29.703
•	S.D.		,	.228	T	T	7	.116	7	7	7	1	7	.200
	TOTAL OBS							176				1		2206
	•	* . * * * * * * * * * * * * * * * * * *	·				+ <del></del>		1	<del></del>				
	MEAN	7.0720	9.744	29.766	29.743	29.673	29.598	29.617	29.604	29.701	29.793	29.838	9.804	29.717
	S. D	.171	.271	.276	.213	.196	.144	.116	.147	.144	.207	.223	.212	.20
	TOTAL OBS	269	246	272	1	1	268		1					334
		T												
	MEAN	7.749	9.765	29.795	29.757.	29.681	29.608	27.626	29.614	9.707	9.826	9.868	9.843	29.73
	S D.	.196	. 207	.226	.224	.203	.156	.113	.138	.145	.212	.228	.212	.210
	TOTAL OBS	269	241	265	251	264	268	288	286	288	288	285	295	328
	•			· 		<u> </u>	ļ	ļ		L	<u> </u>	ļ		<b>.</b>
		20.693	9.732	29.749	<b>29.722</b> :	<b>29.65</b> 5	<b>29.590</b>	29.608	<b>29.59</b> 42	<b>?7.68</b> 7	29.775	*9.821	7.782	29.701
1	\$ D.		.230	.224	.219	.198	-150				.207		.212	•20
	TOTAL OBS	272	247	273	258	266	263	293	301	290	300	296	299	337
	i	·		i Turnima	<u> </u>	·	<u> </u>	1	<u> </u>	<u> </u>	1	<u> </u>		
		2 68		,	T	T	7	1	29.569	1				27.66
• .	\$ D	.128			,	4				I .	.200	1 -	.210	.199
	TOTAL OBS	272	295	258	259	265	287	293	295	289	293	288	298	3397
	MEAN	29.702	9.714	29.721	29.490	29.428	20.570	29.586	29.577	29.478	29.771	29.826	9.781	29.681
	S. D.	.193	.198										<b>.</b>	.20
•	TOTAL OBS	271	251								301		304	340
,														
	MEAN	29.721	7.743	29.766	29.736	29.665	29.602	29.619	29.610	29.706	29.802	7.852	9.797	29.71
1	S. D.	.194	.199	I	,	1				T	.207	1	1	.201
	TOTAL GES	265	242											3360
	MEAN	70 715				483		40 455		400			-	1
ALL	S. D.	27.710					27.571	<b>Y</b>	29.591	7	T	,	T	29.709
HOURS		.172	.198				,		.139				.214	.205
	TOTAL OBS	1970	1791	1959	1878	1972	2000	2121	2131	2089	2203	2164	22.04	29591

# END

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